

FIG. 1

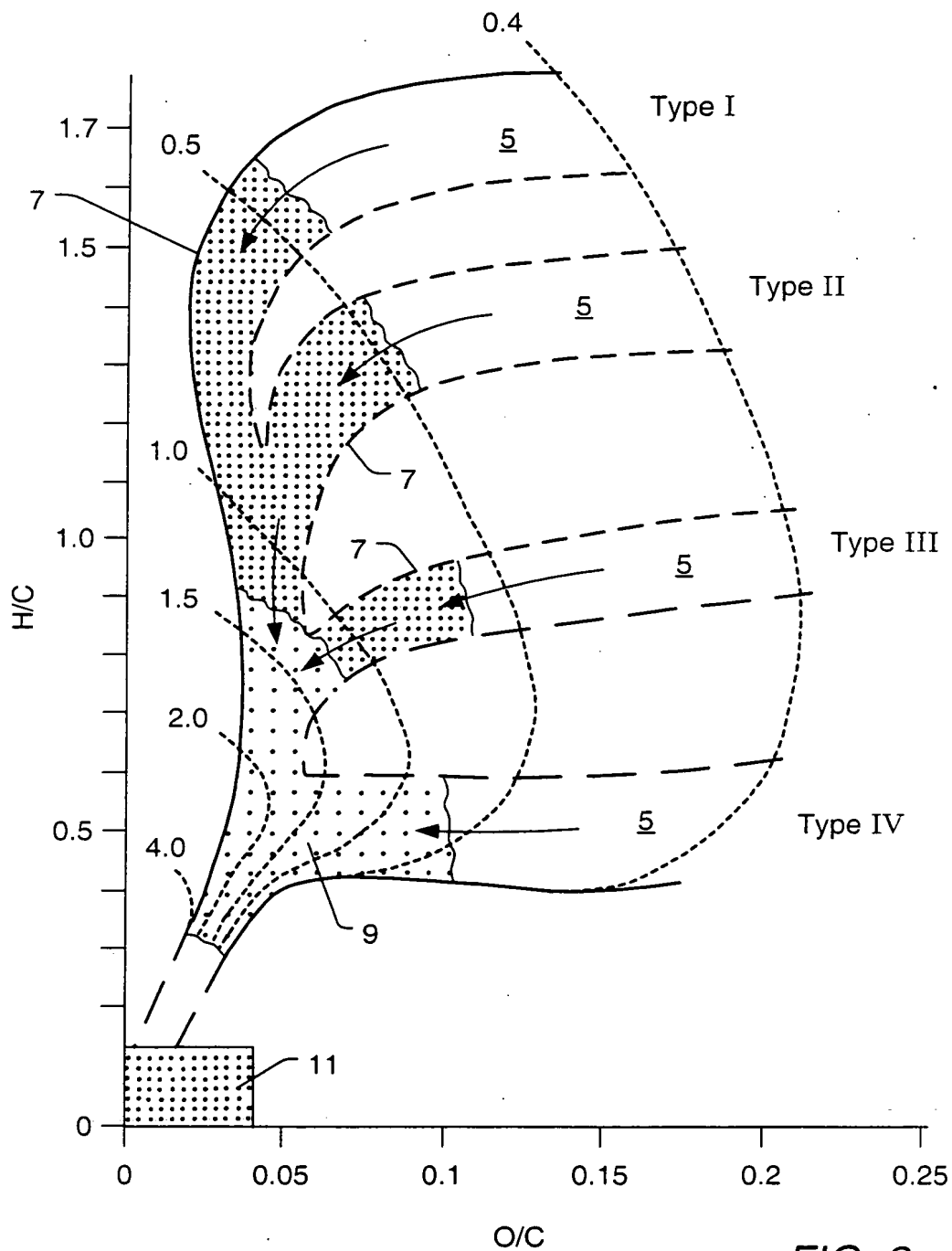


FIG. 2

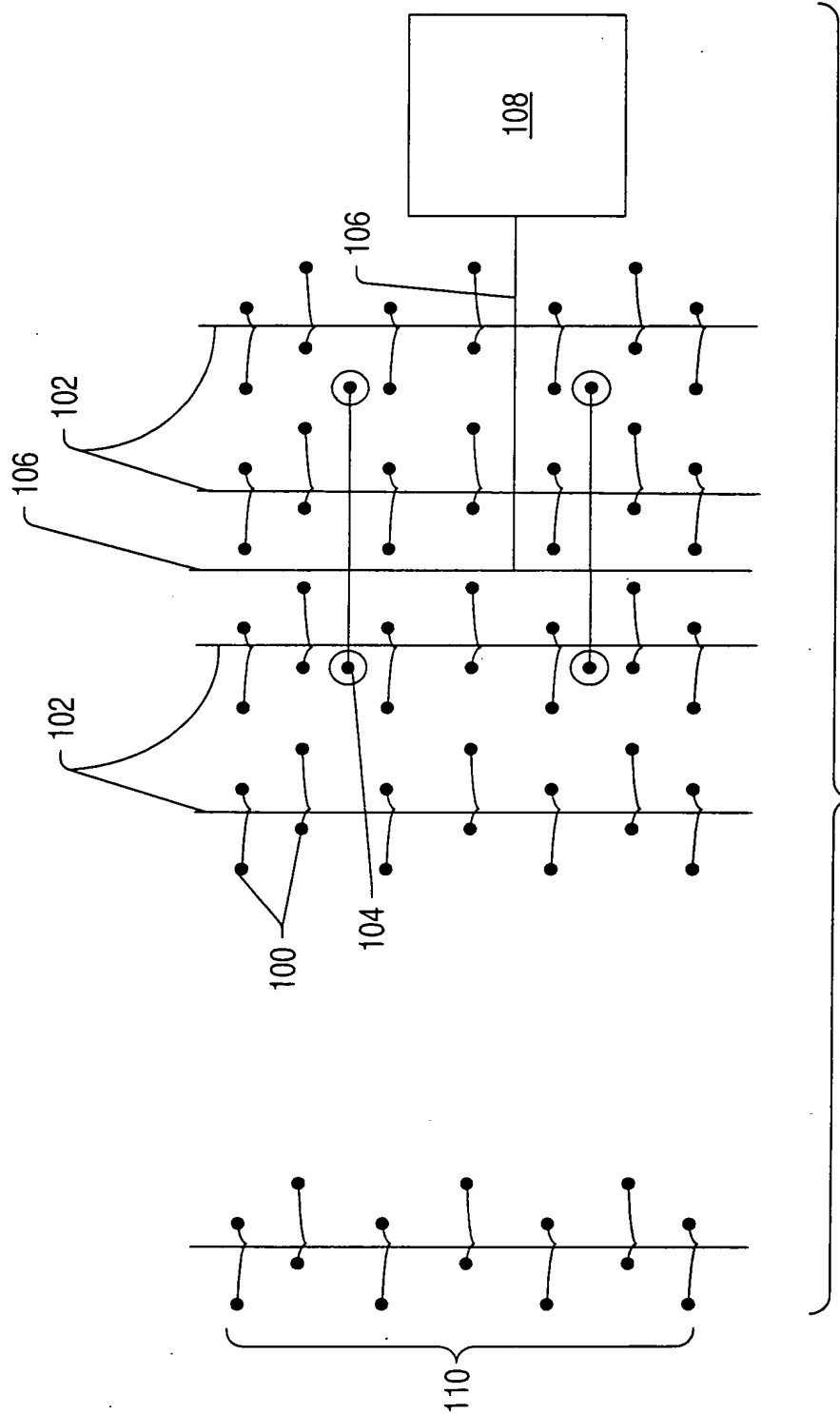


FIG. 3

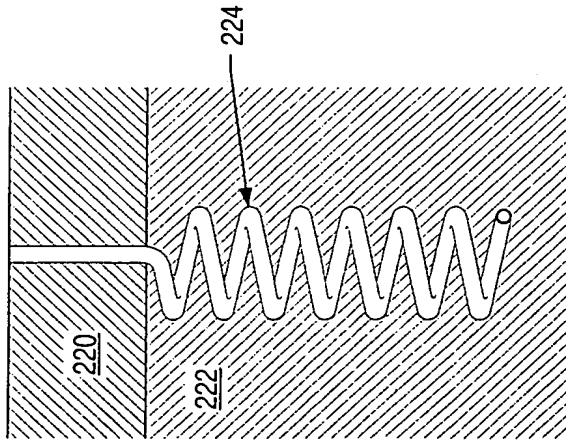


FIG. 3a

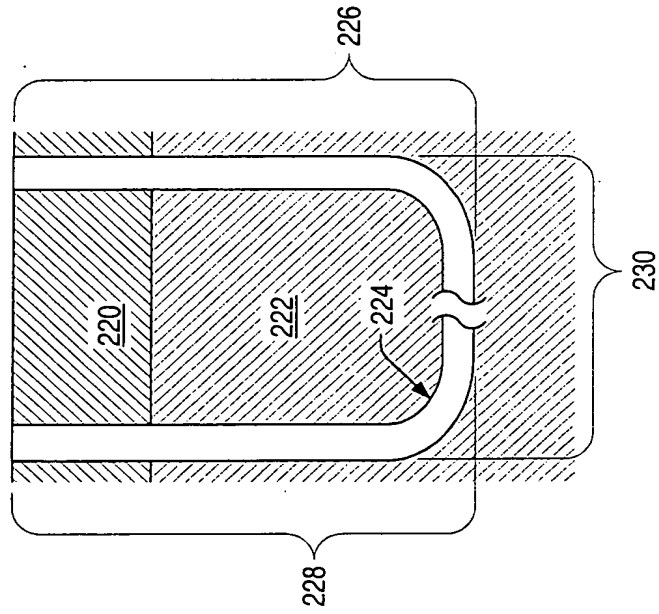


FIG. 3b

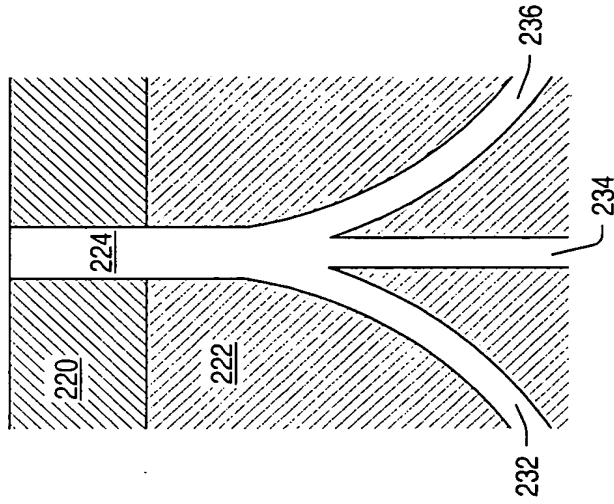


FIG. 3c

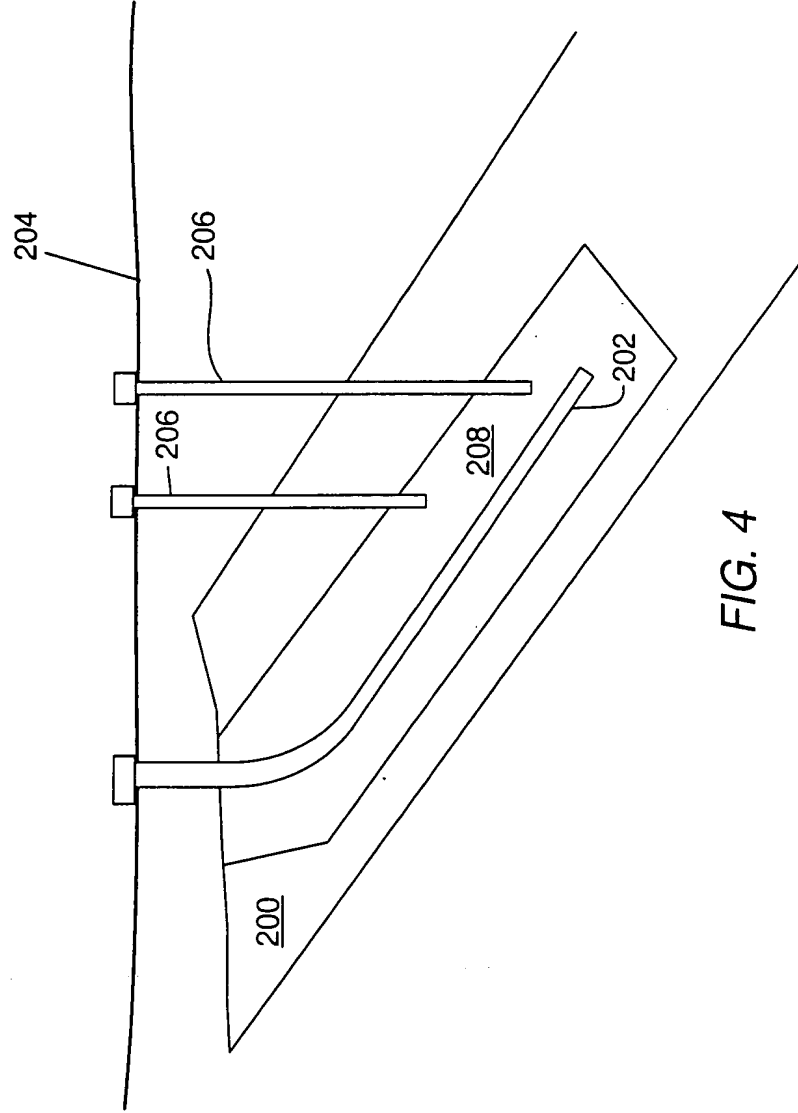
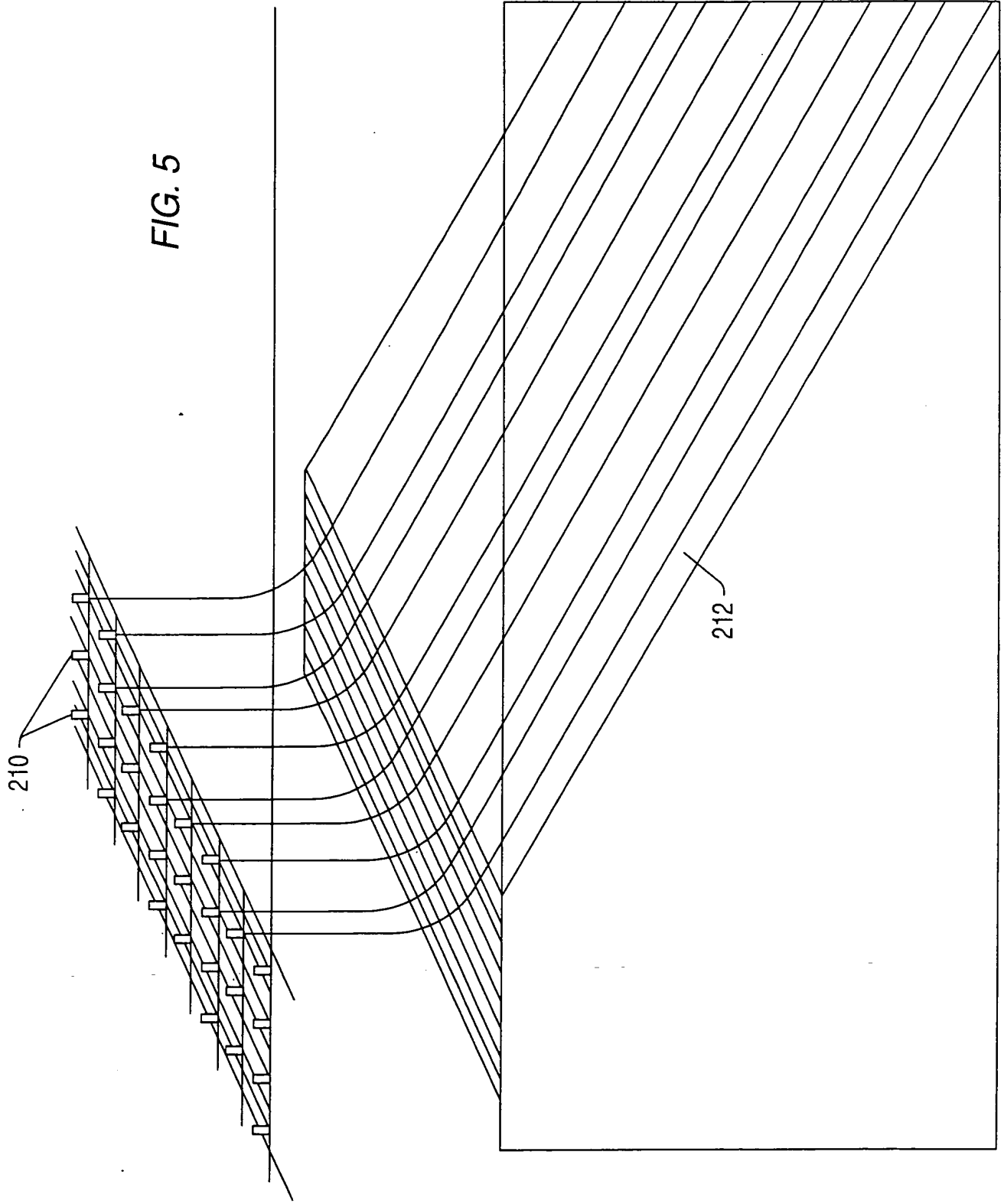


FIG. 4



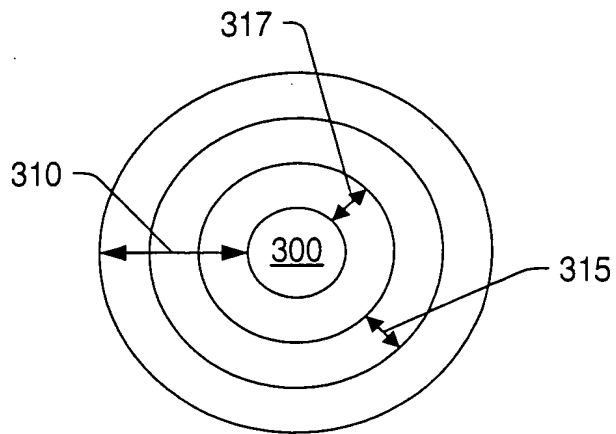


FIG. 6

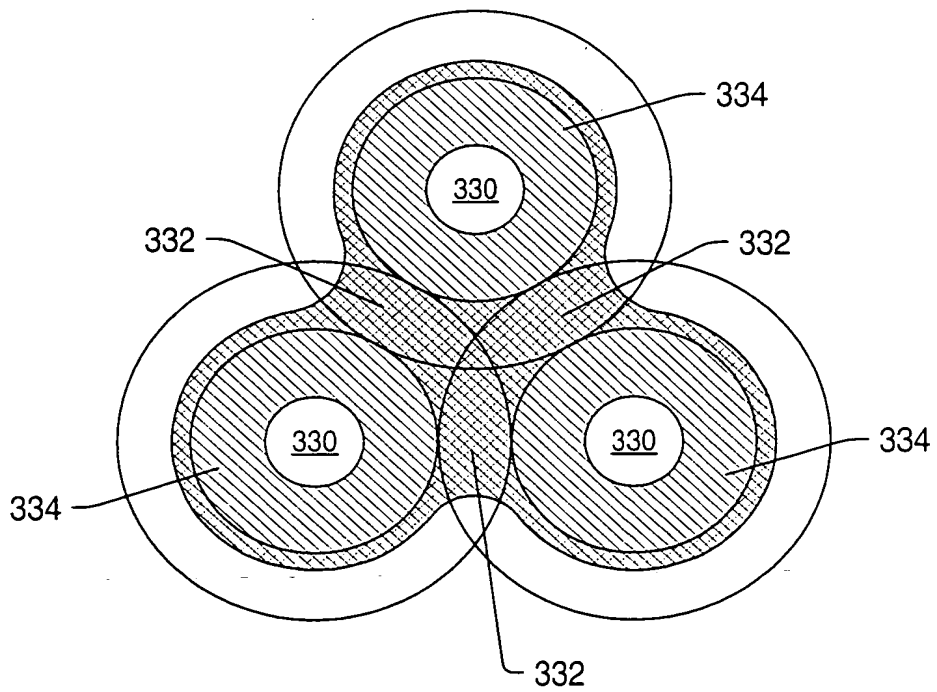


FIG. 7

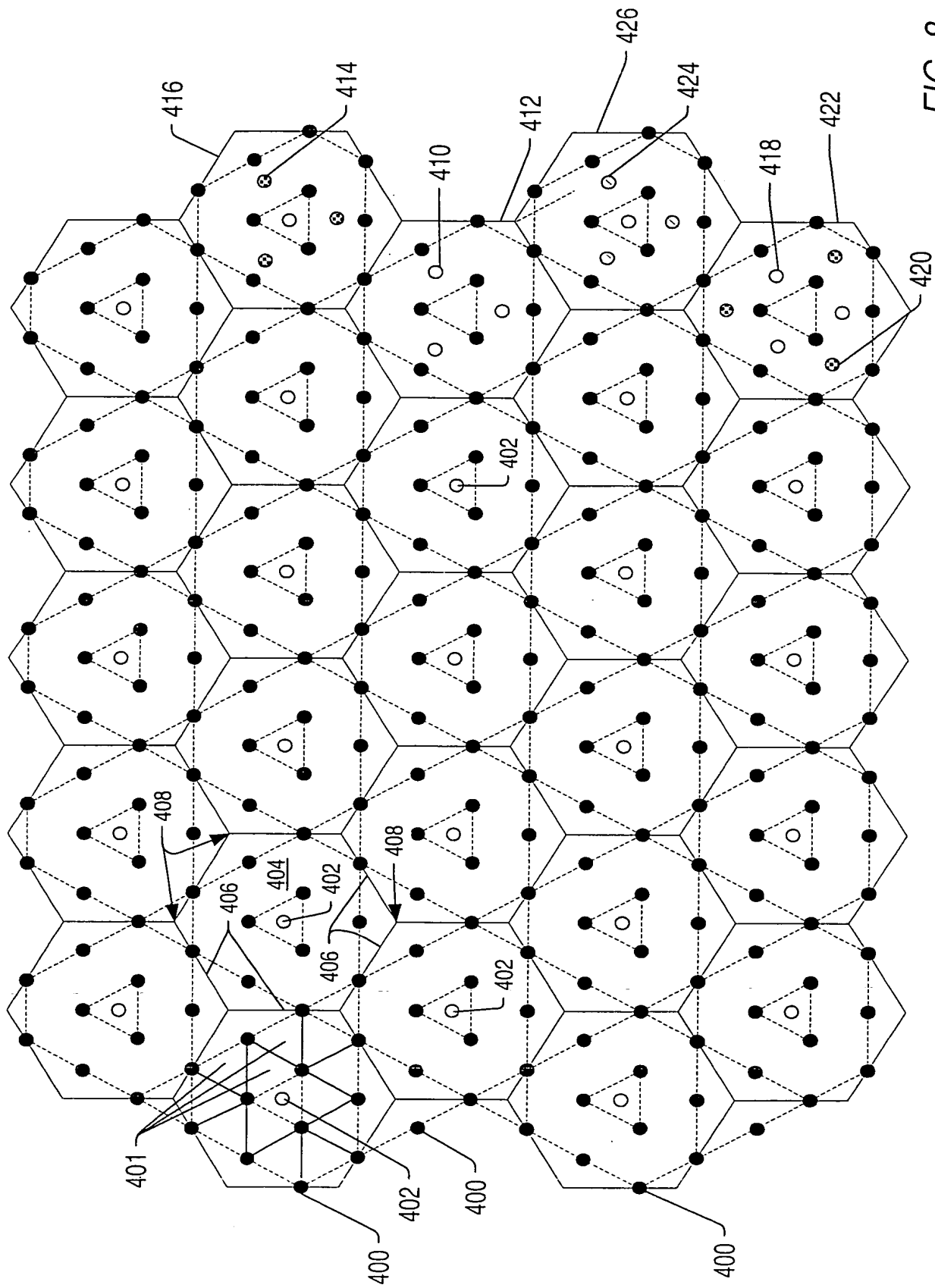


FIG. 8



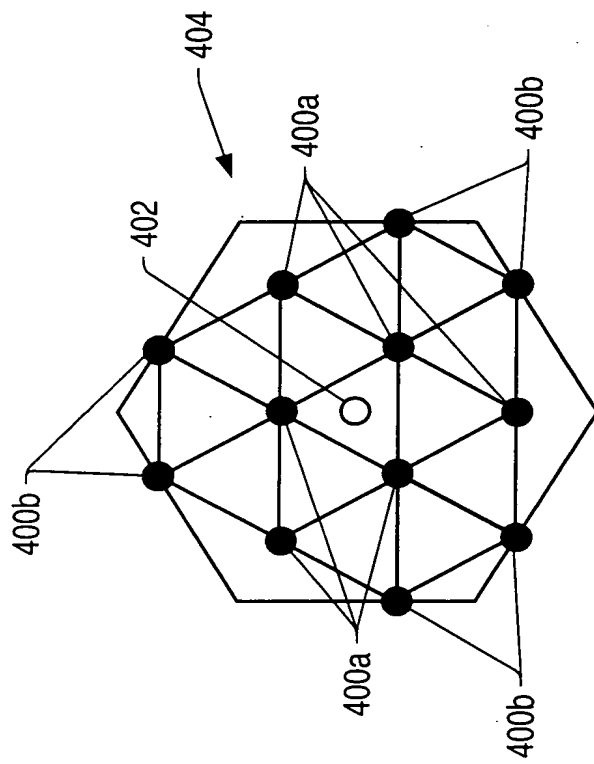


FIG. 9

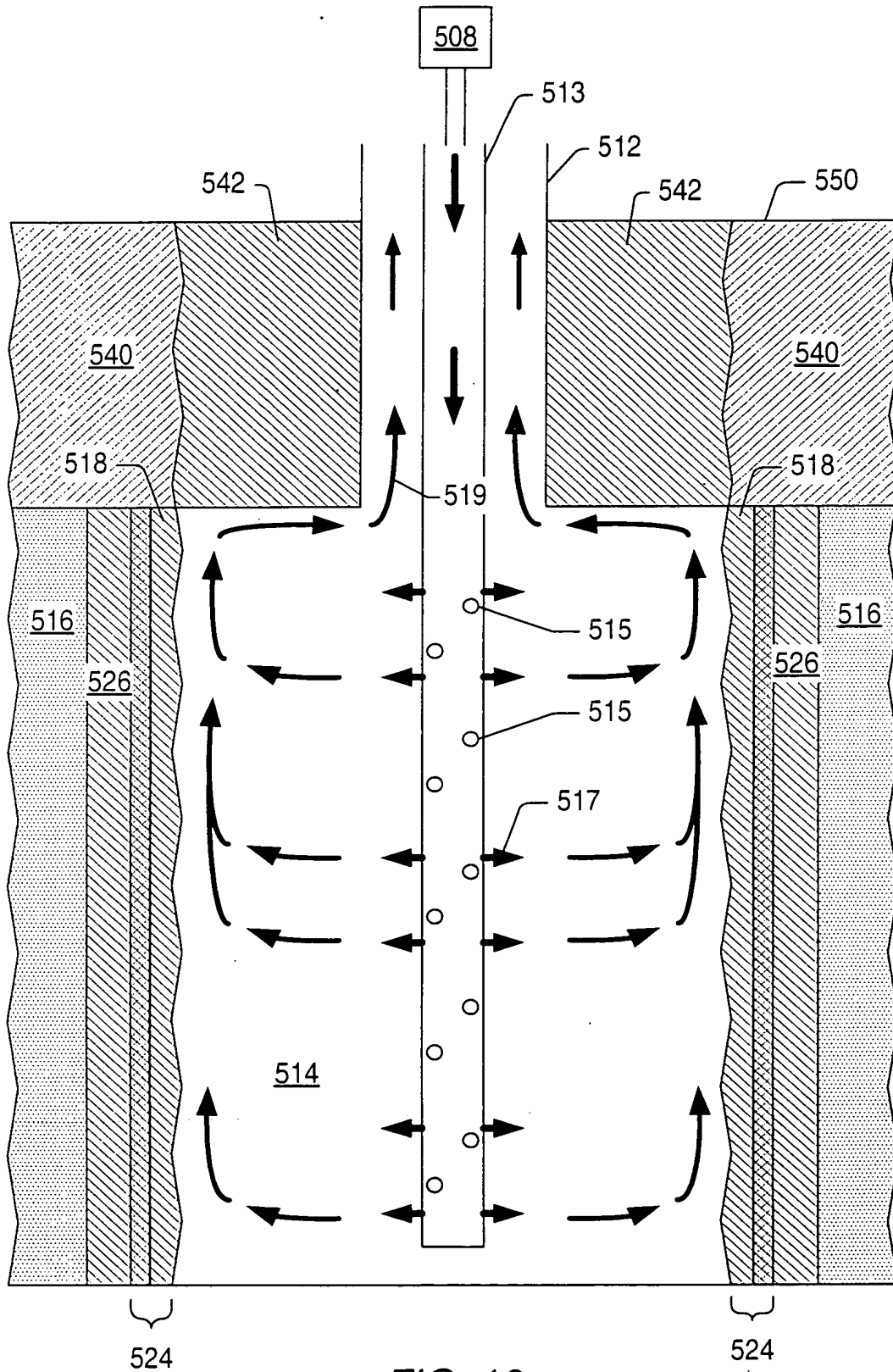
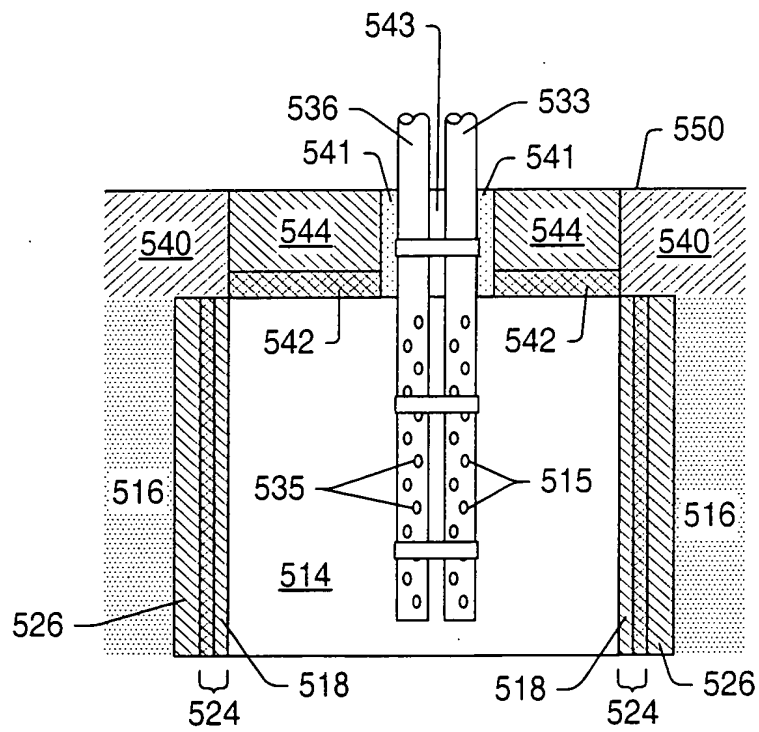


FIG. 10





*Fig. 13*

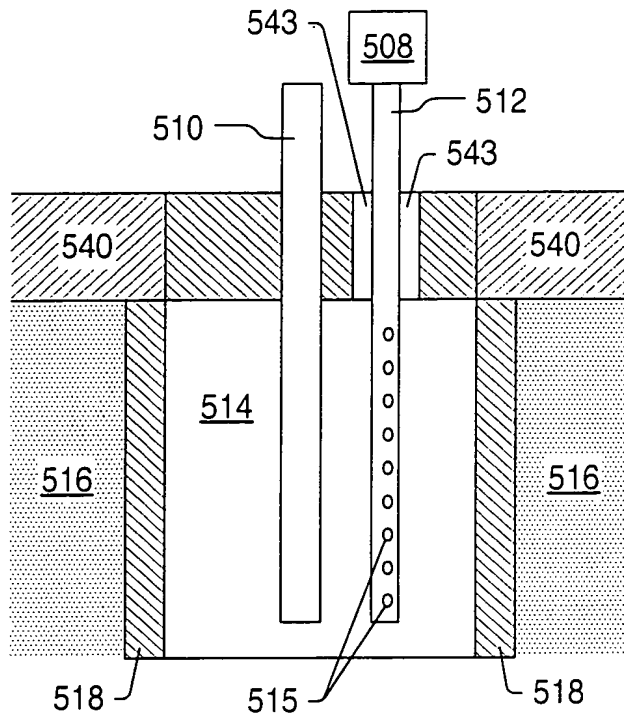


FIG. 14

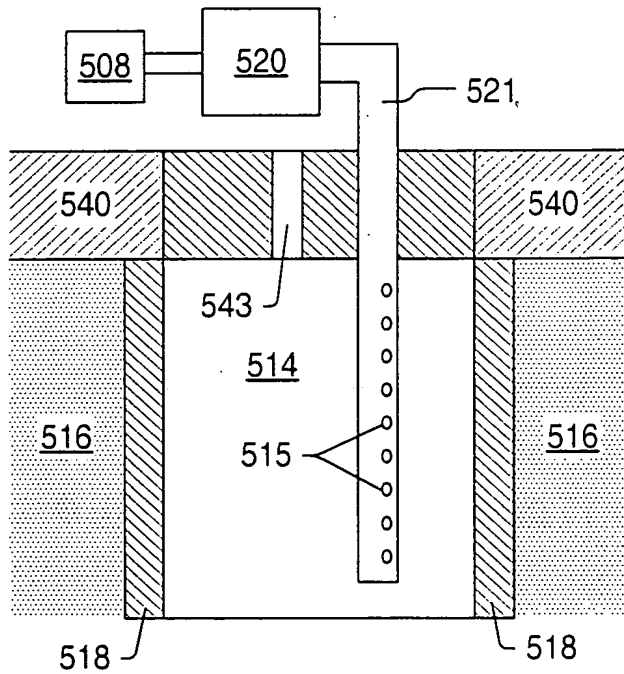


FIG. 15

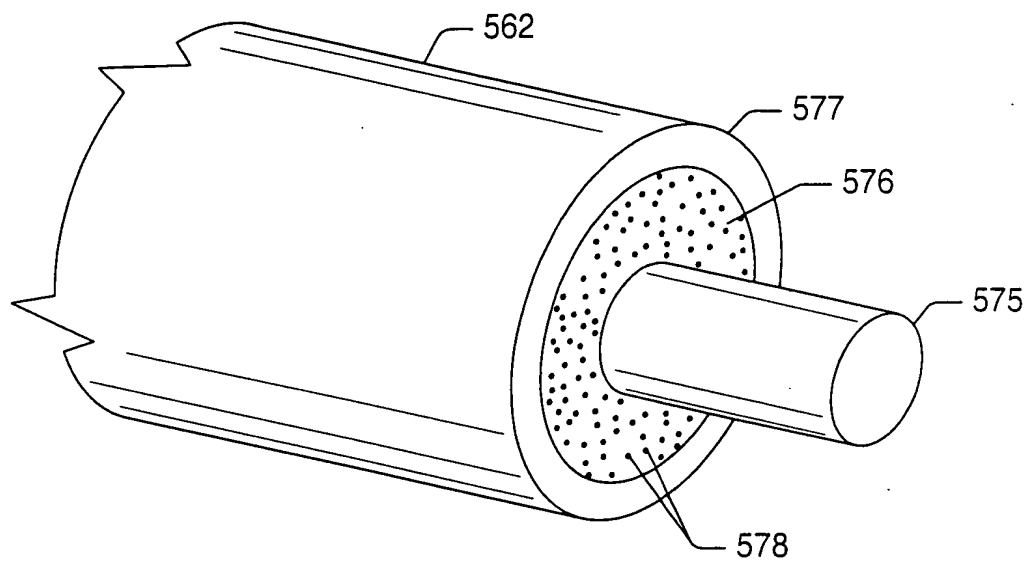
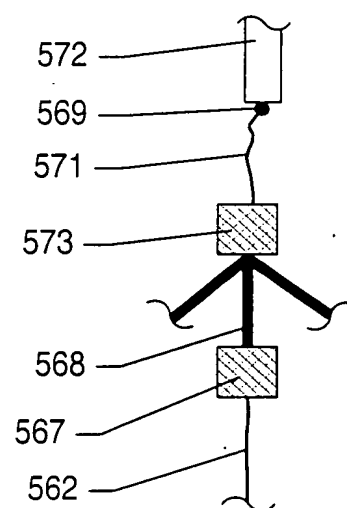


FIG. 16

[illegible]

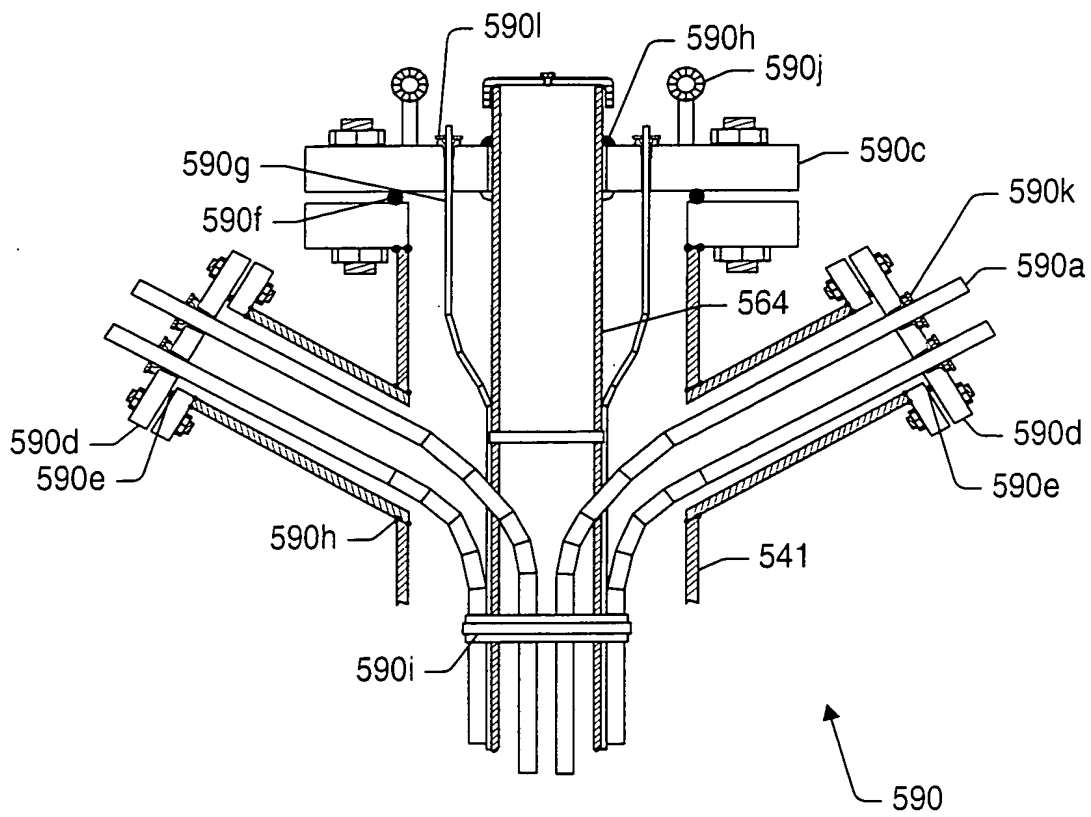


FIG. 18



FIG. 19

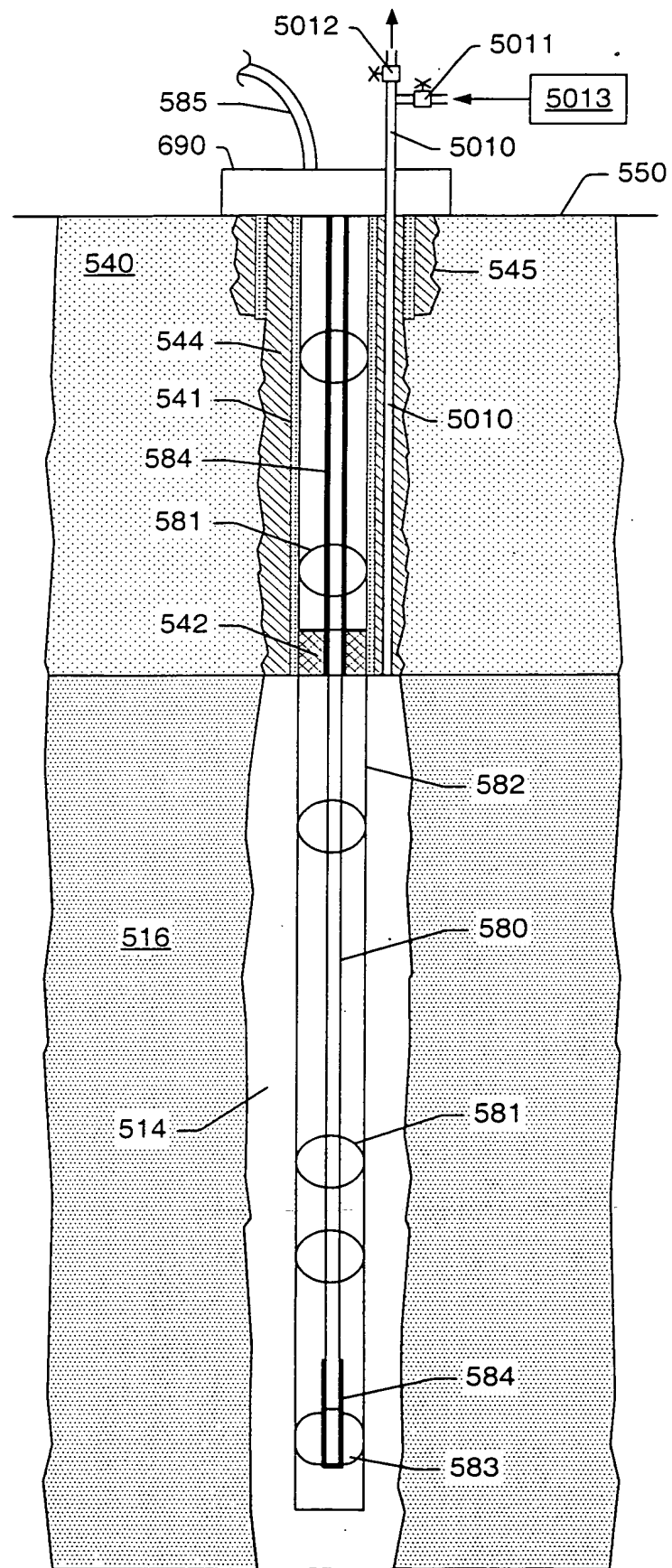


FIG. 19

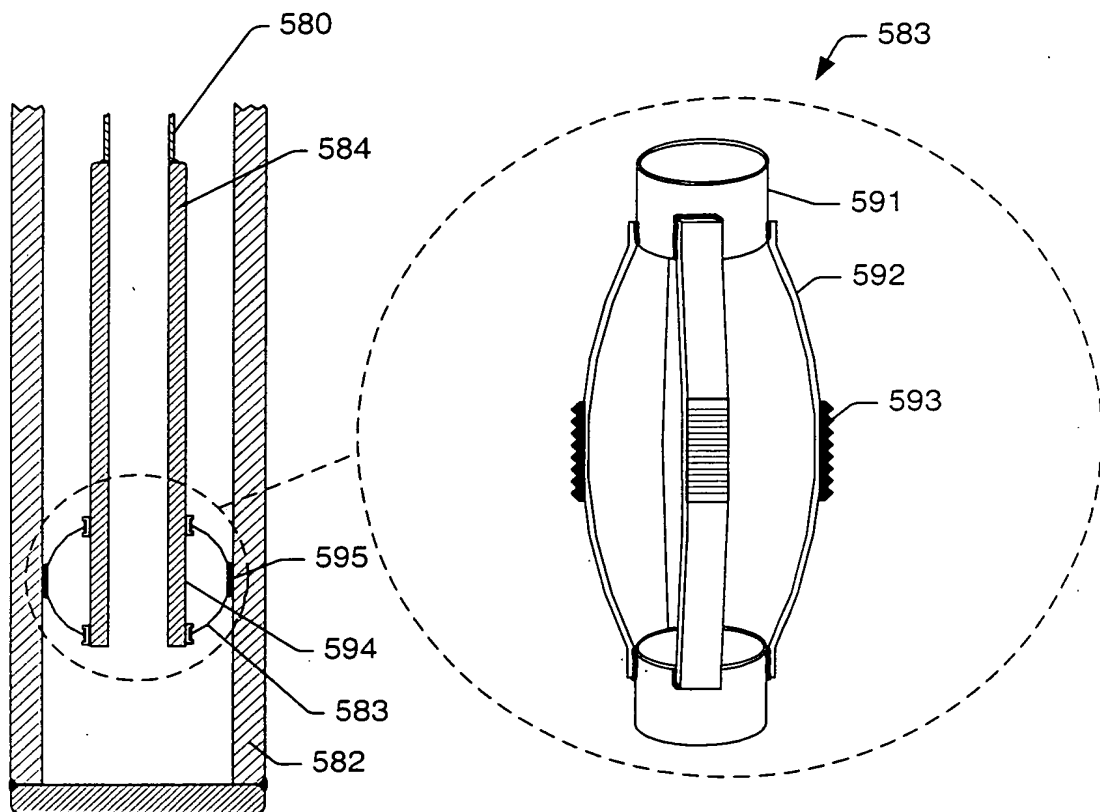


FIG. 20

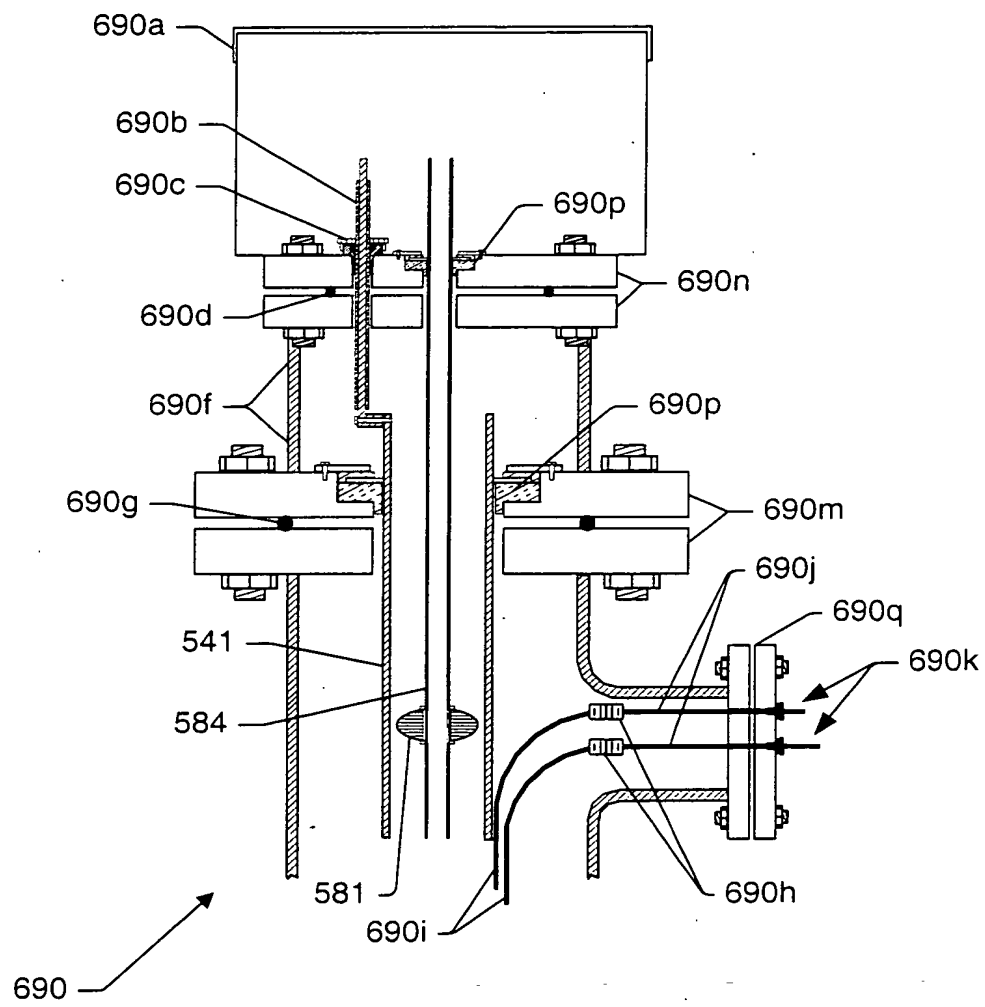


FIG. 21

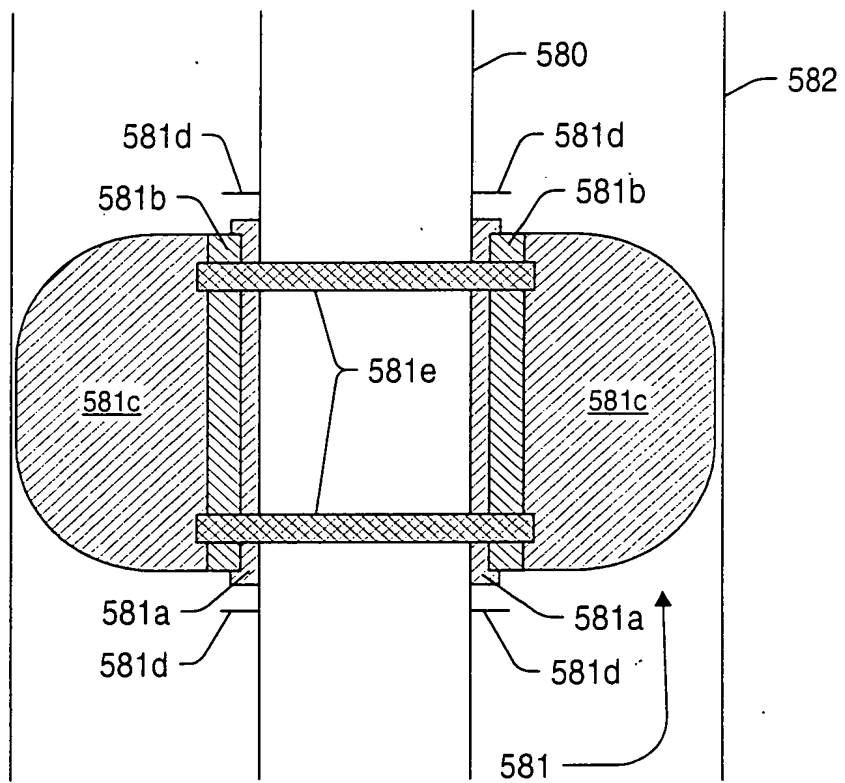


FIG. 22

FIG. 24

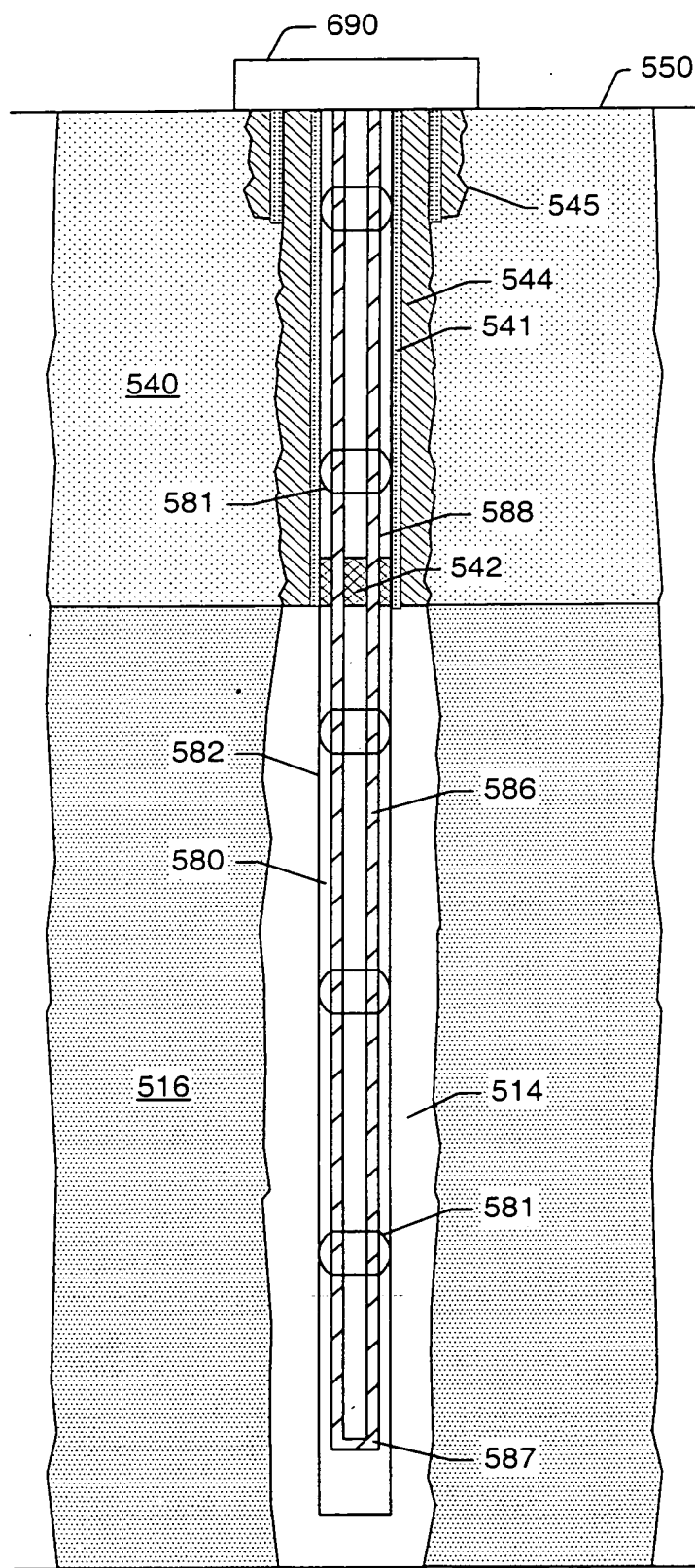


Fig. 24

FIG. 25

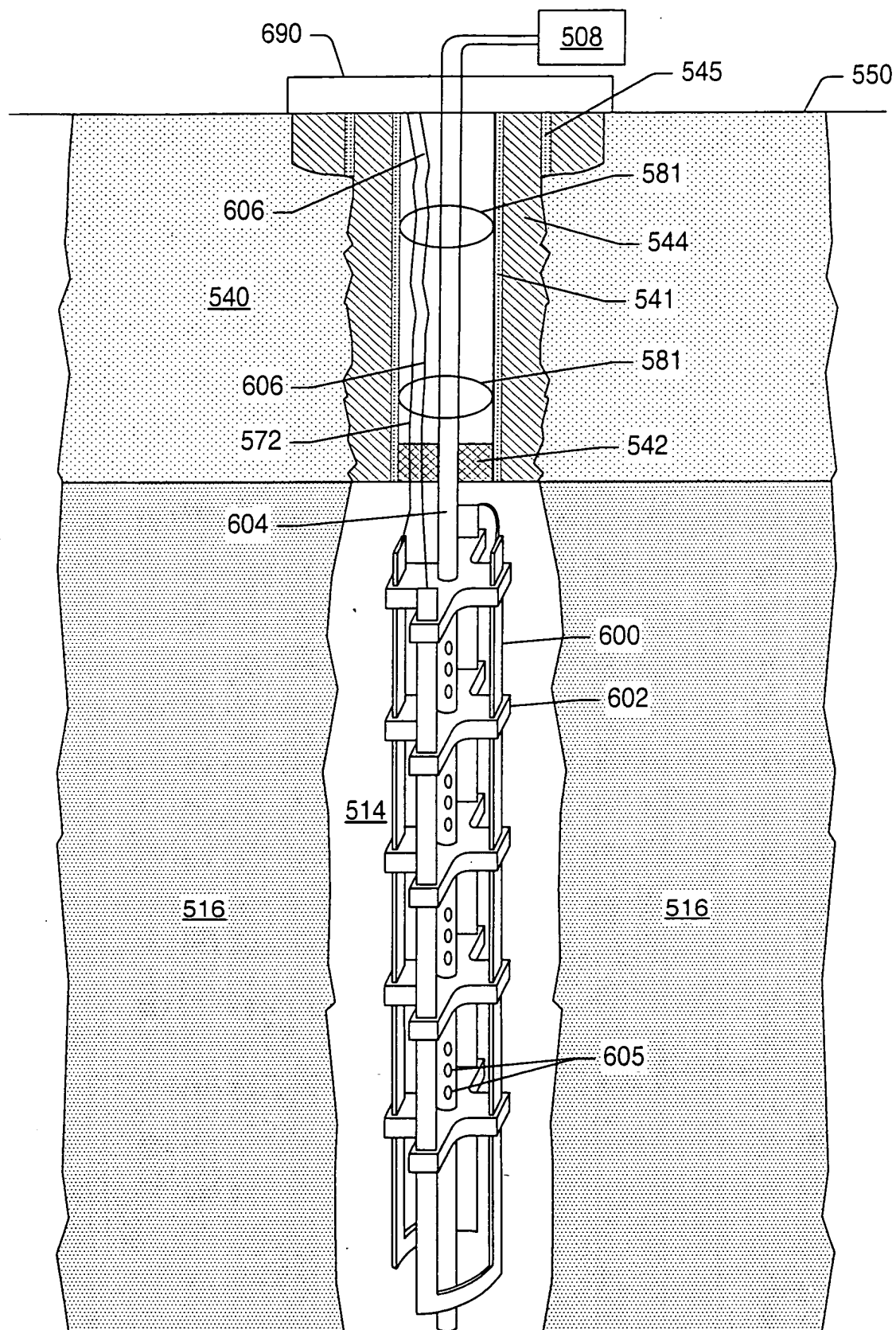


FIG. 25

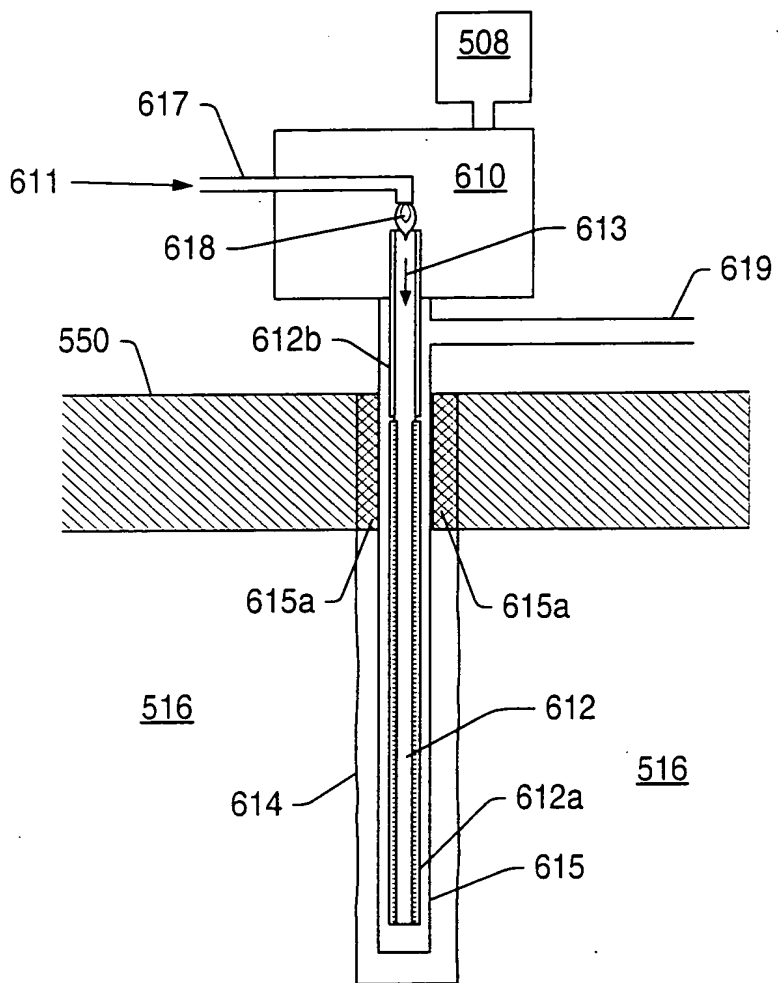


FIG. 26

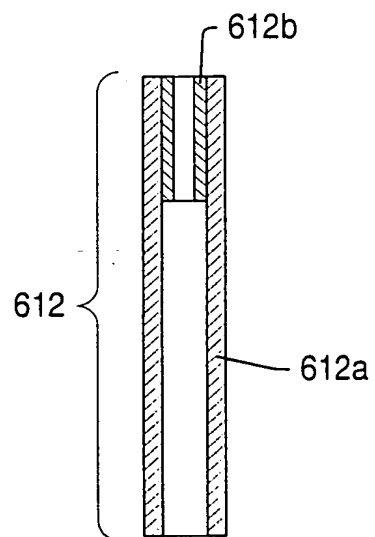


FIG. 27

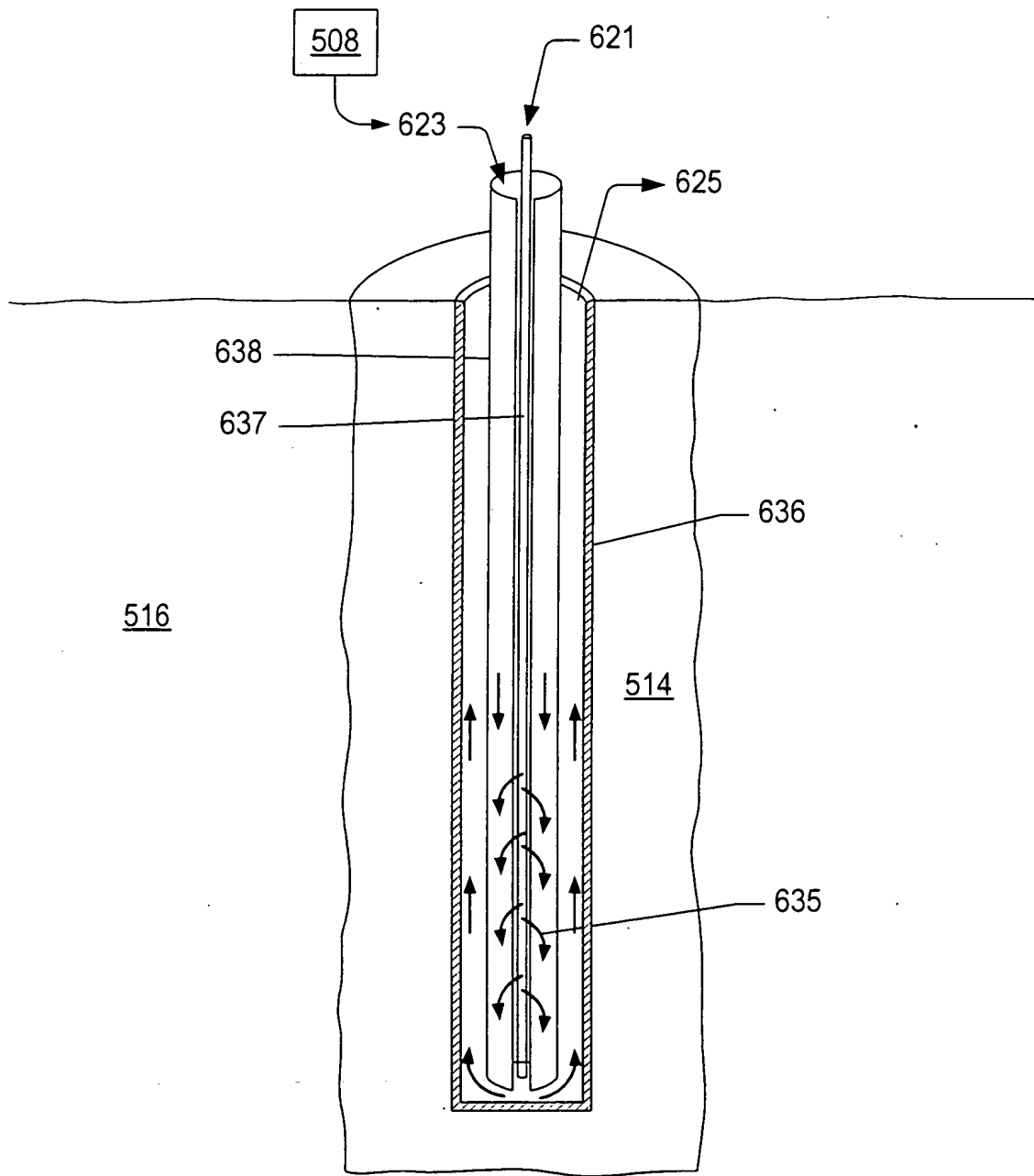


FIG. 28



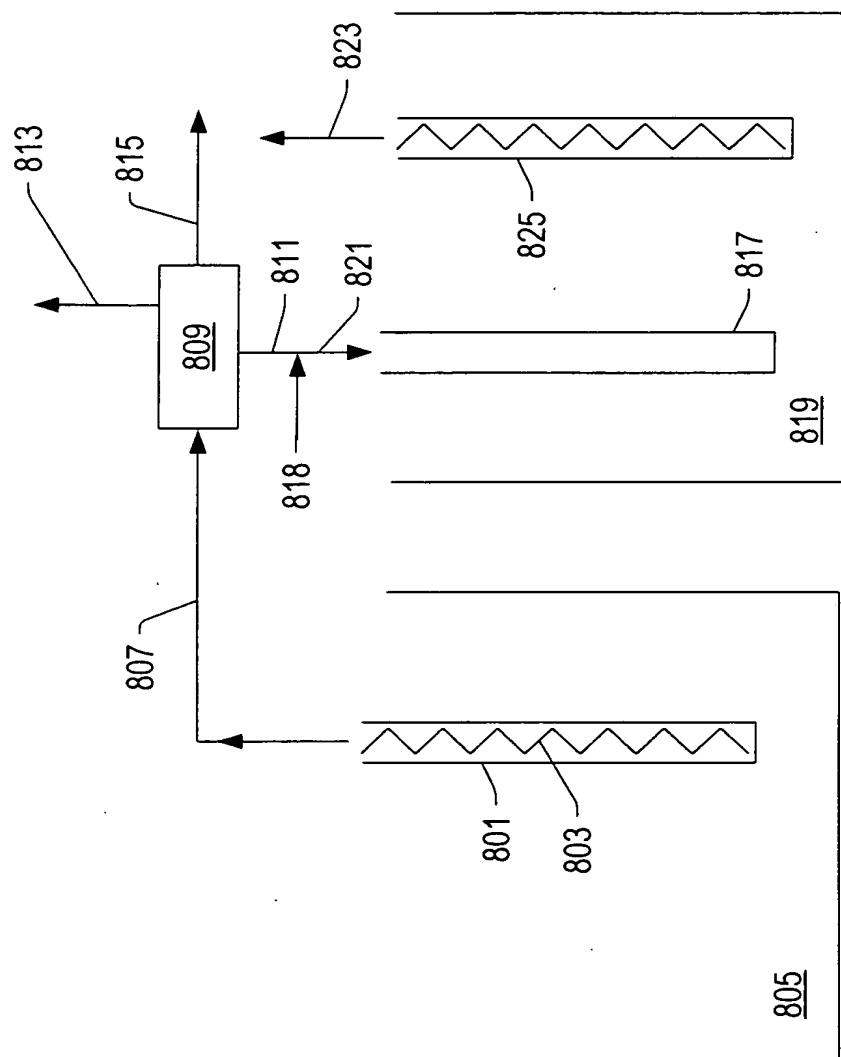


FIG. 30 is a schematic diagram of a system 830 for processing a material 832. The system 830 includes a material inlet 832, a material outlet 840, a processing unit 836, and a control unit 838. The material 832 is fed into the system 830 through the material inlet 832. The material 832 is then processed by the processing unit 836. The processed material 832 is then fed into the material outlet 840. The control unit 838 is connected to the processing unit 836 and the material outlet 840. The control unit 838 controls the processing unit 836 and the material outlet 840.

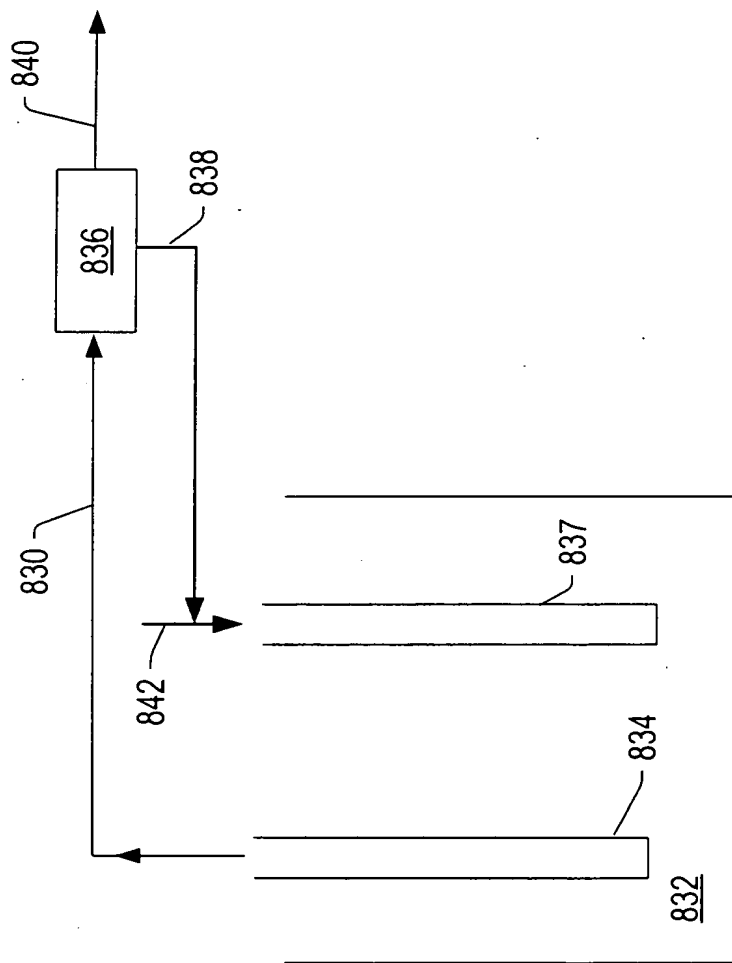


FIG. 30

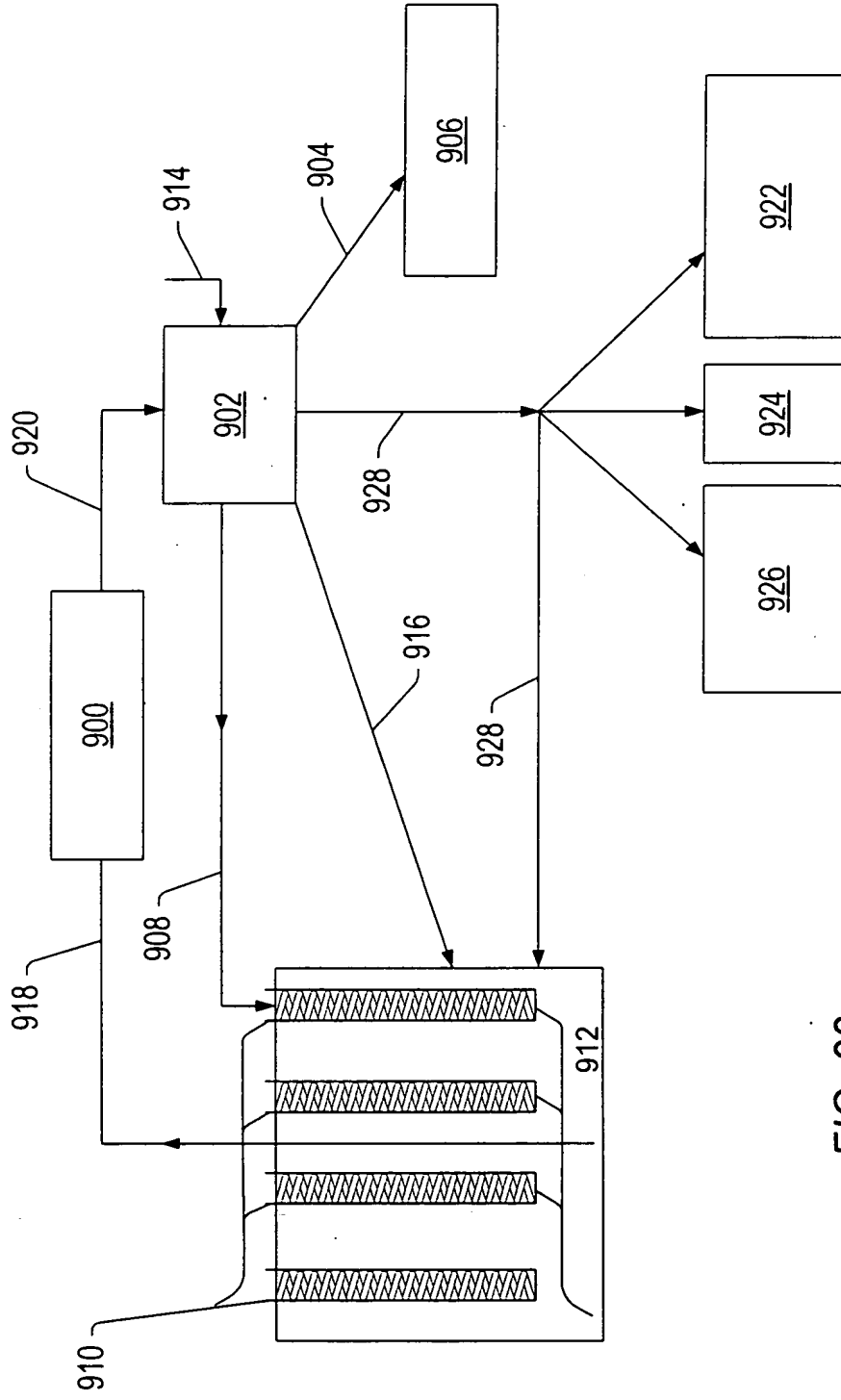


FIG. 33

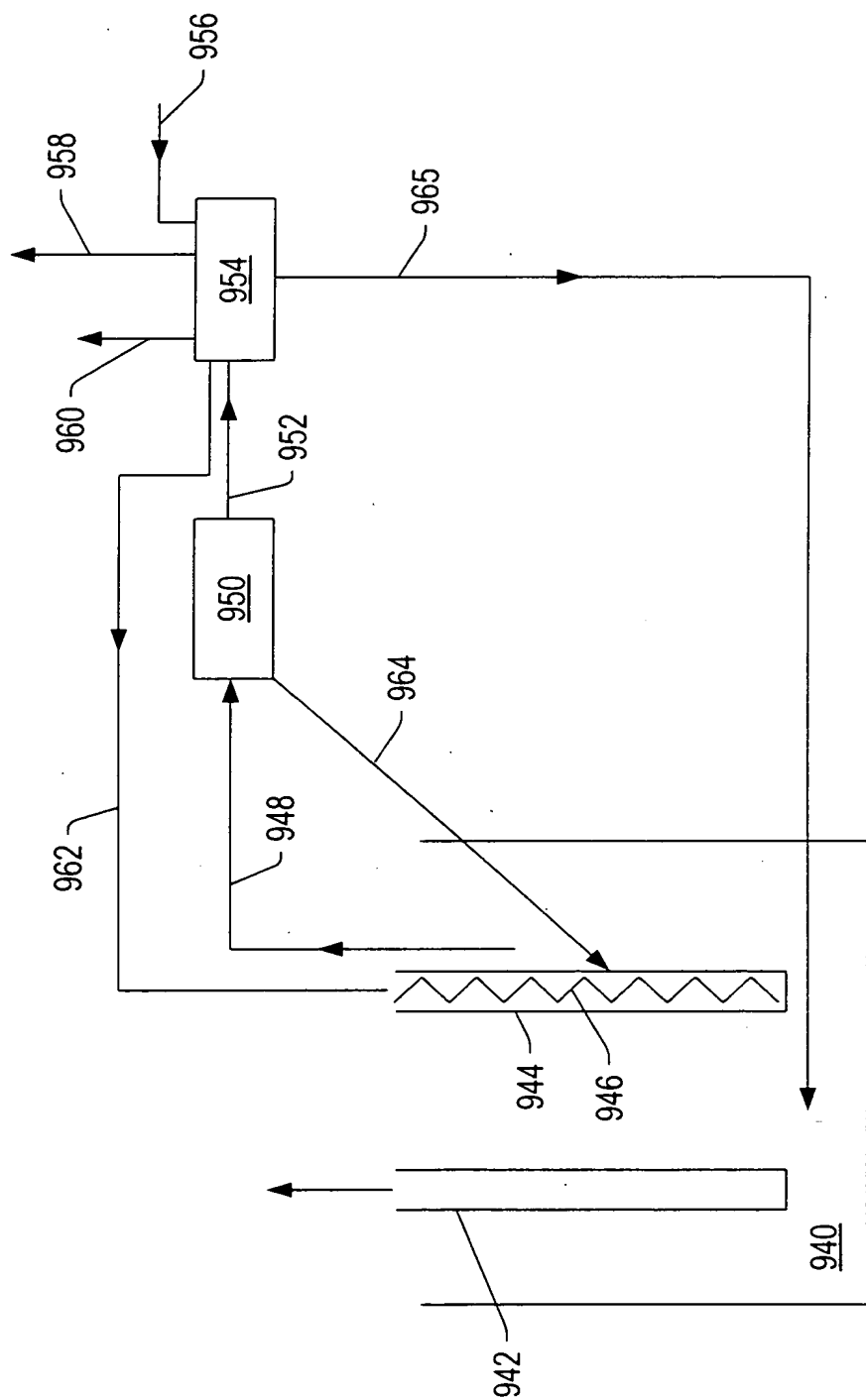


FIG. 34

FIG. 35 is a schematic diagram of a system 1000 for processing a material 978. The system 1000 includes a material input 976, a material processing unit 984, a material output 980, a material storage unit 986, a material transport unit 990, a material control unit 992, a material monitoring unit 994, a material feedback unit 996, a material feedback unit 998, and a material feedback unit 1002. The material 978 is input to the material processing unit 984 via the material input 976. The material processing unit 984 outputs the material 980 to the material output 980. The material 980 is then transported by the material transport unit 990 to the material storage unit 986. The material storage unit 986 outputs the material 992 to the material control unit 992. The material control unit 992 outputs the material 994 to the material monitoring unit 994. The material monitoring unit 994 outputs the material 996 to the material feedback unit 996. The material feedback unit 996 outputs the material 998 to the material feedback unit 998. The material feedback unit 998 outputs the material 1002 to the material feedback unit 1002. The material feedback unit 1002 outputs the material 1004 to the material input 976, completing the feedback loop.

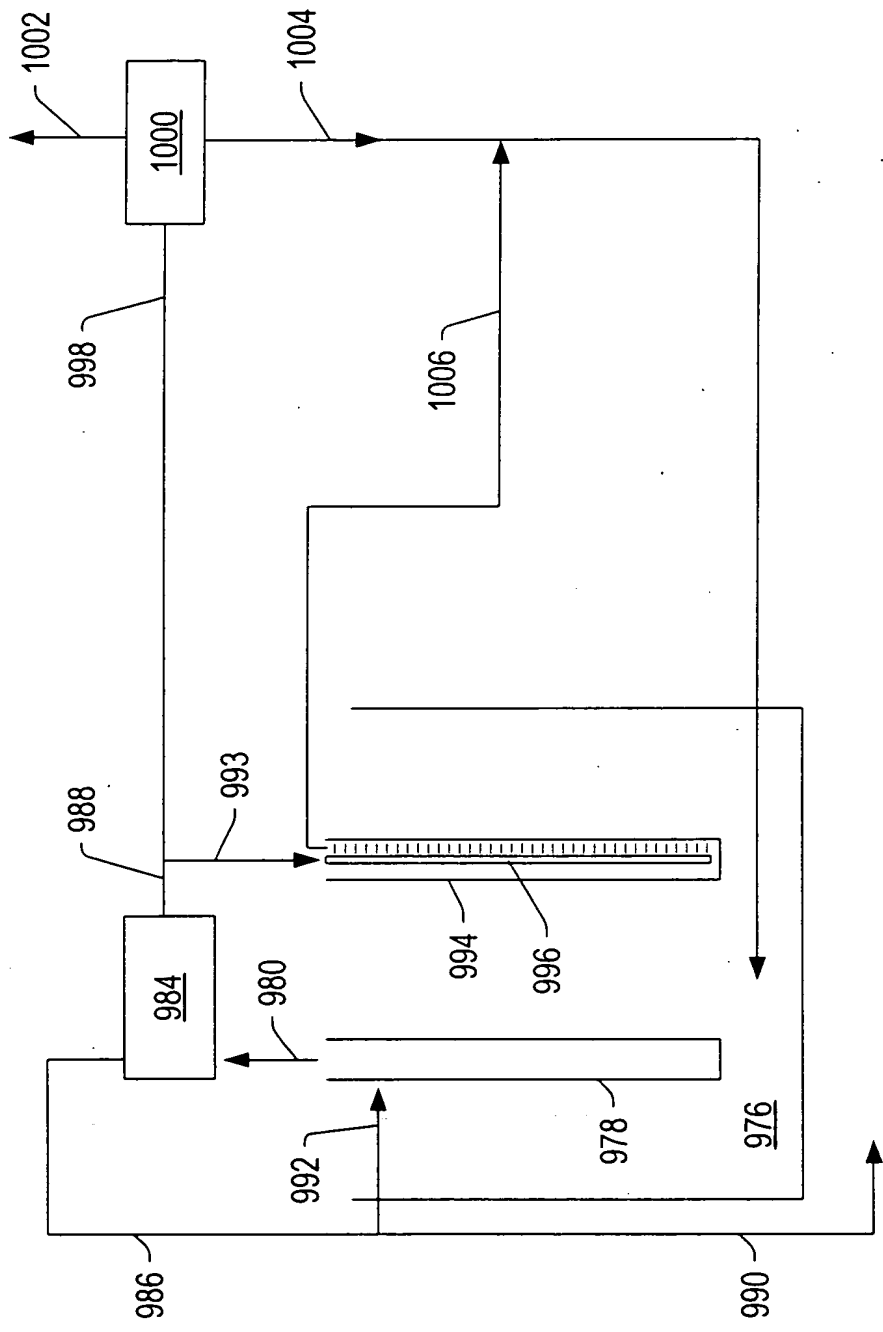


FIG. 35

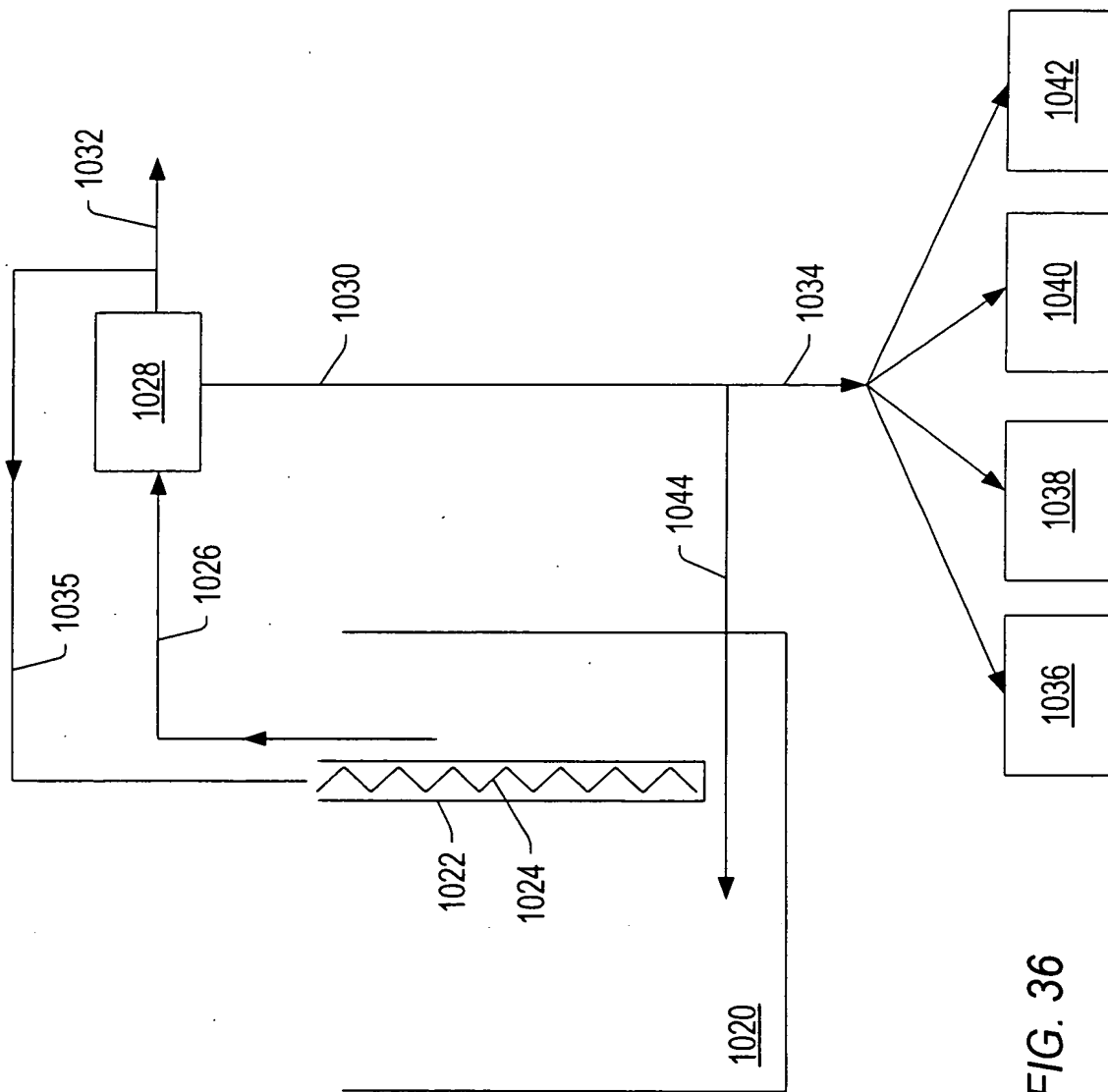


FIG. 36

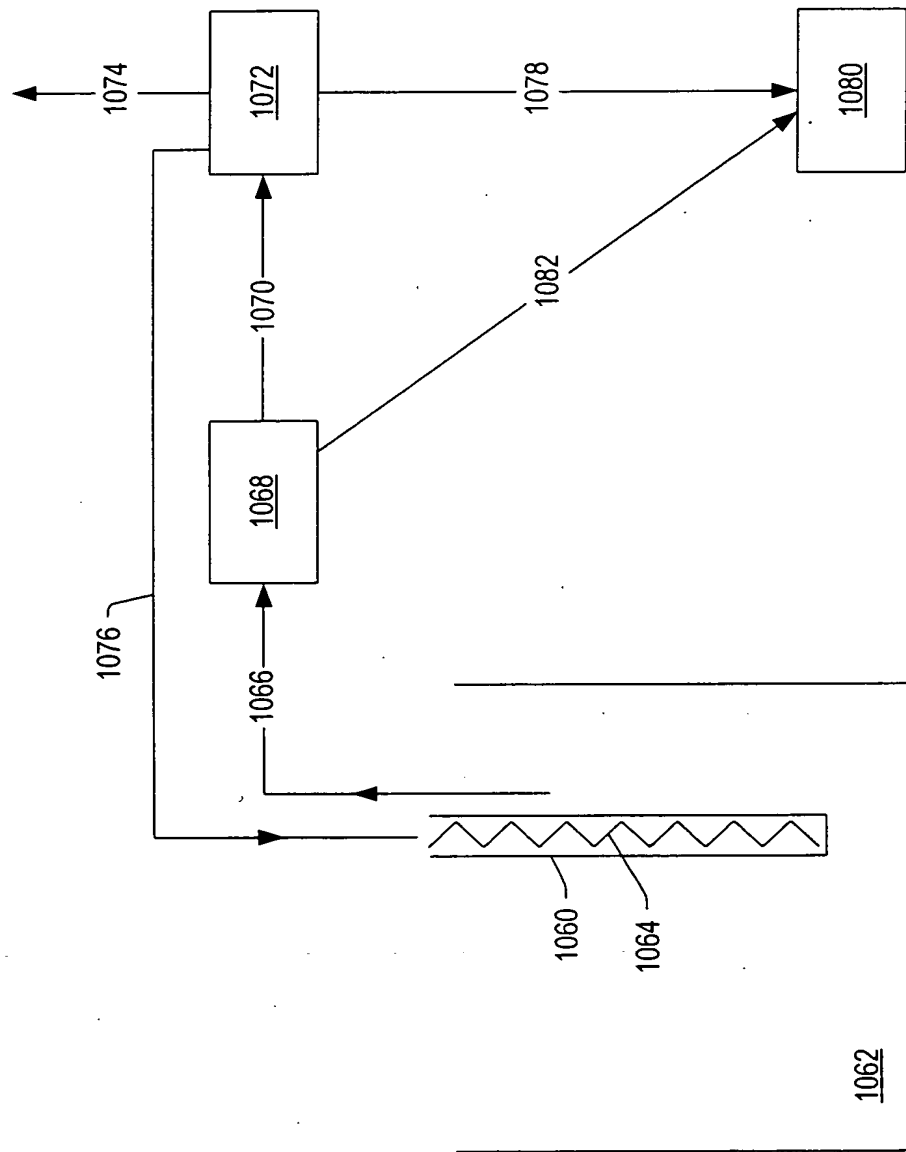


FIG. 38 is a block diagram of a system 1090. The system 1090 includes a processor 1100, a memory 1096, and a storage device 1106. The processor 1100 is connected to the memory 1096 and the storage device 1106. The memory 1096 is connected to the storage device 1106. The system 1090 also includes a network interface 1092, which is connected to the processor 1100 and the memory 1096. The network interface 1092 is connected to a network 1094. The network 1094 is connected to a server 1102. The server 1102 is connected to the storage device 1106. The system 1090 is configured to receive data from the network 1094 and store the data in the storage device 1106. The system 1090 is also configured to retrieve data from the storage device 1106 and output the data to the network 1094.

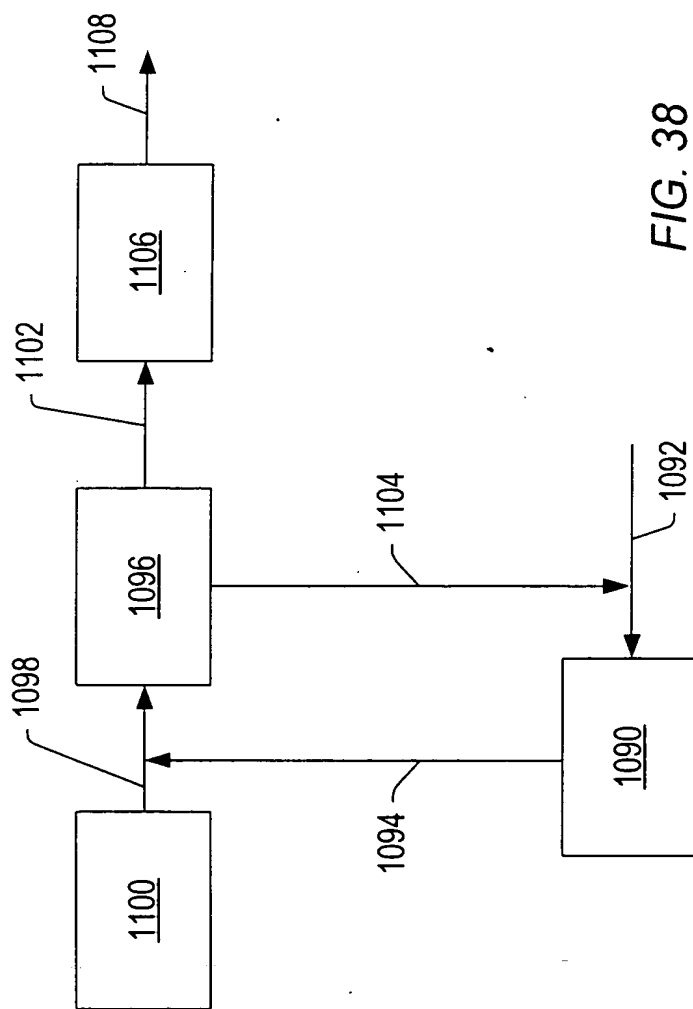


FIG. 38



FIG. 39 is a schematic diagram of a system for processing a material. The system includes a material input 1122, a processing unit 1120, and a material output 1124. The processing unit 1120 is connected to a material input 1122 and a material output 1124. The processing unit 1120 is also connected to a material input 1126 and a material output 1128. The processing unit 1120 is also connected to a material input 1127 and a material output 1129.

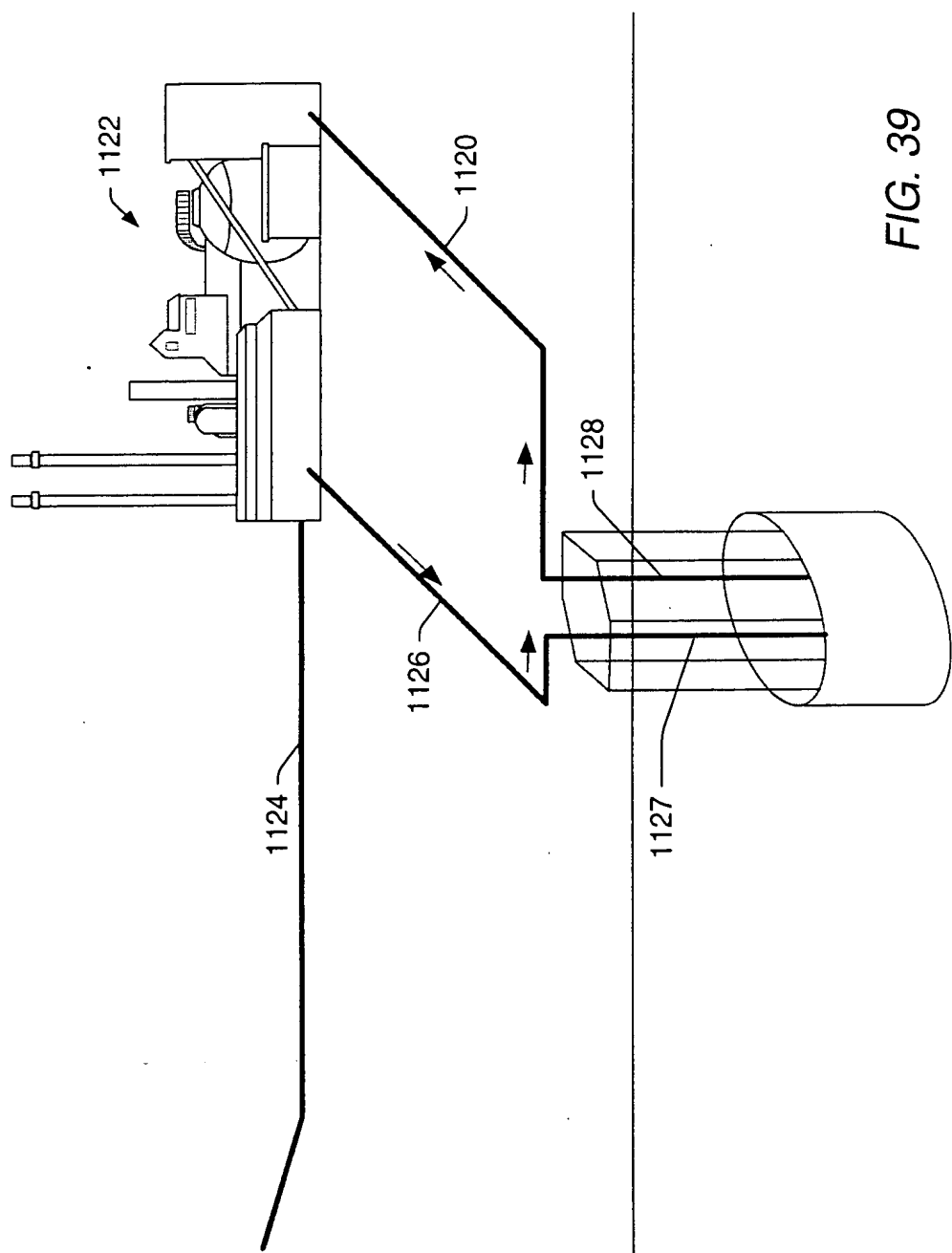


FIG. 39

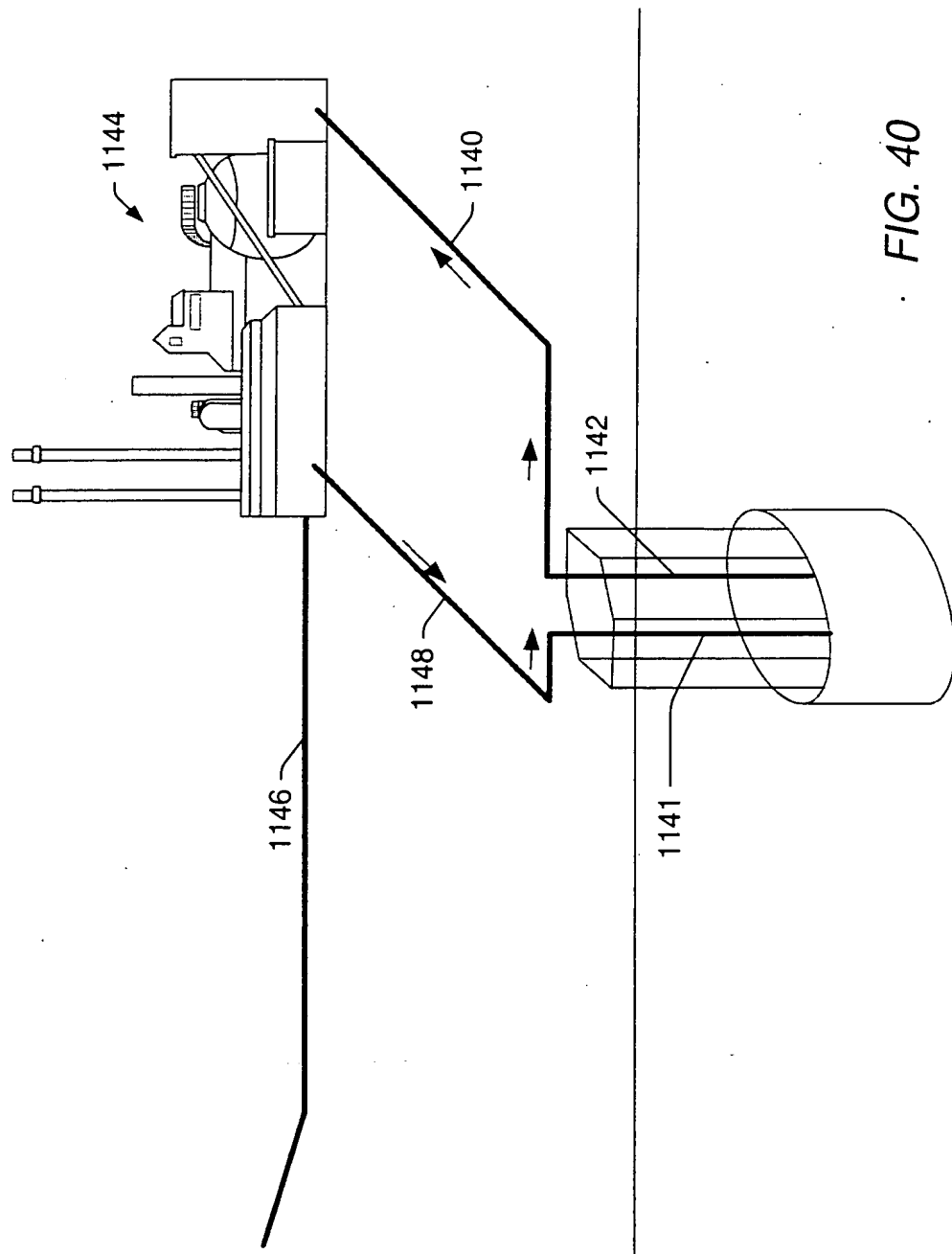


FIG. 40

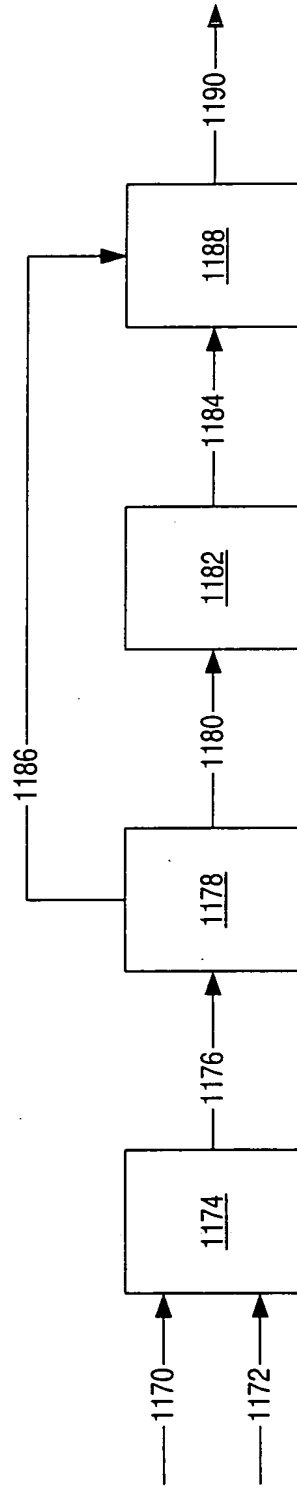


FIG. 41

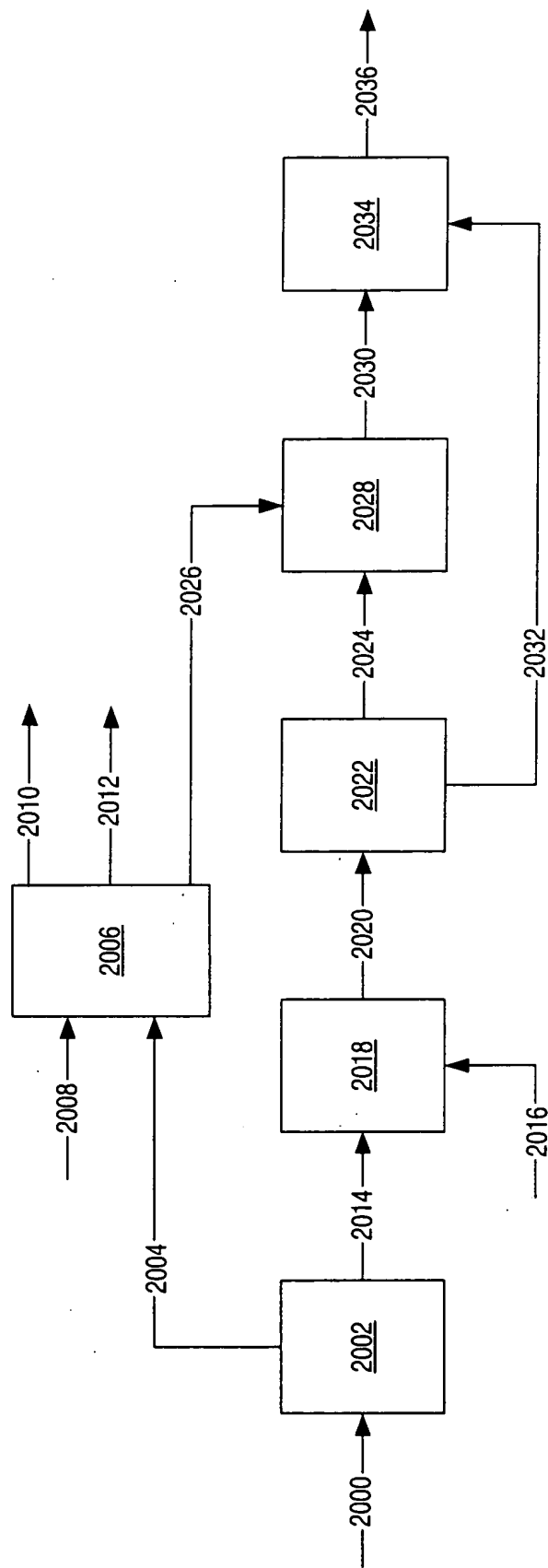


FIG. 42

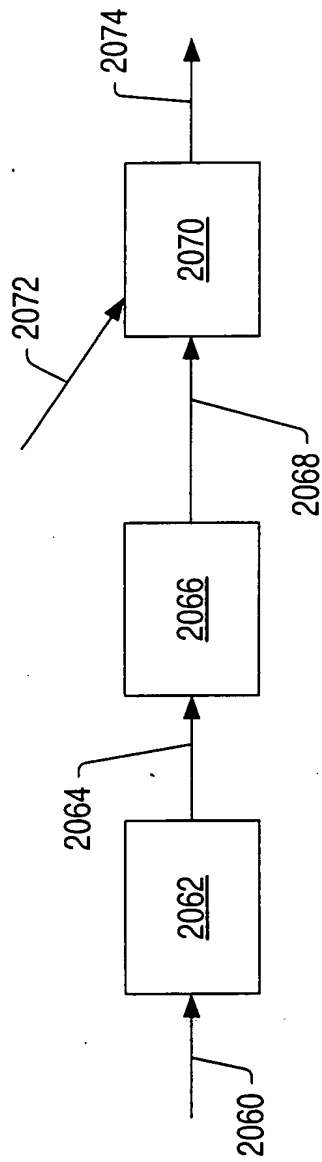


FIG. 43

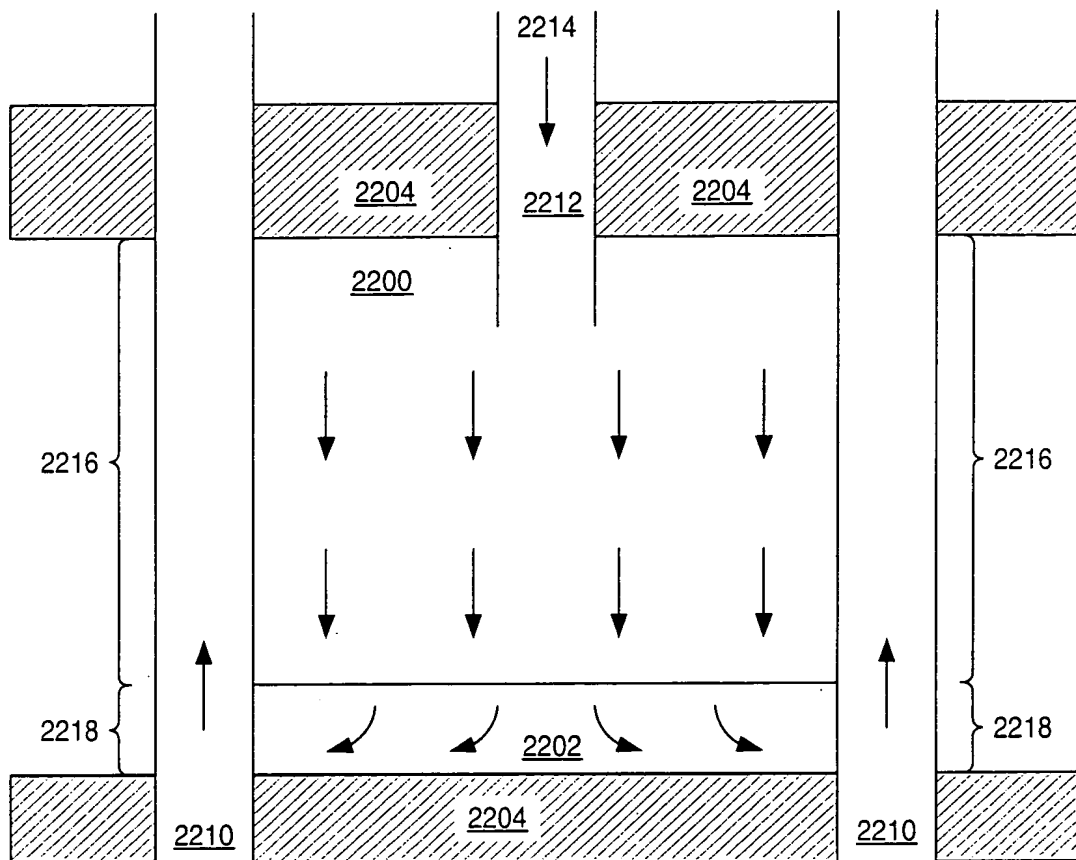


FIG. 44

FIG. 45

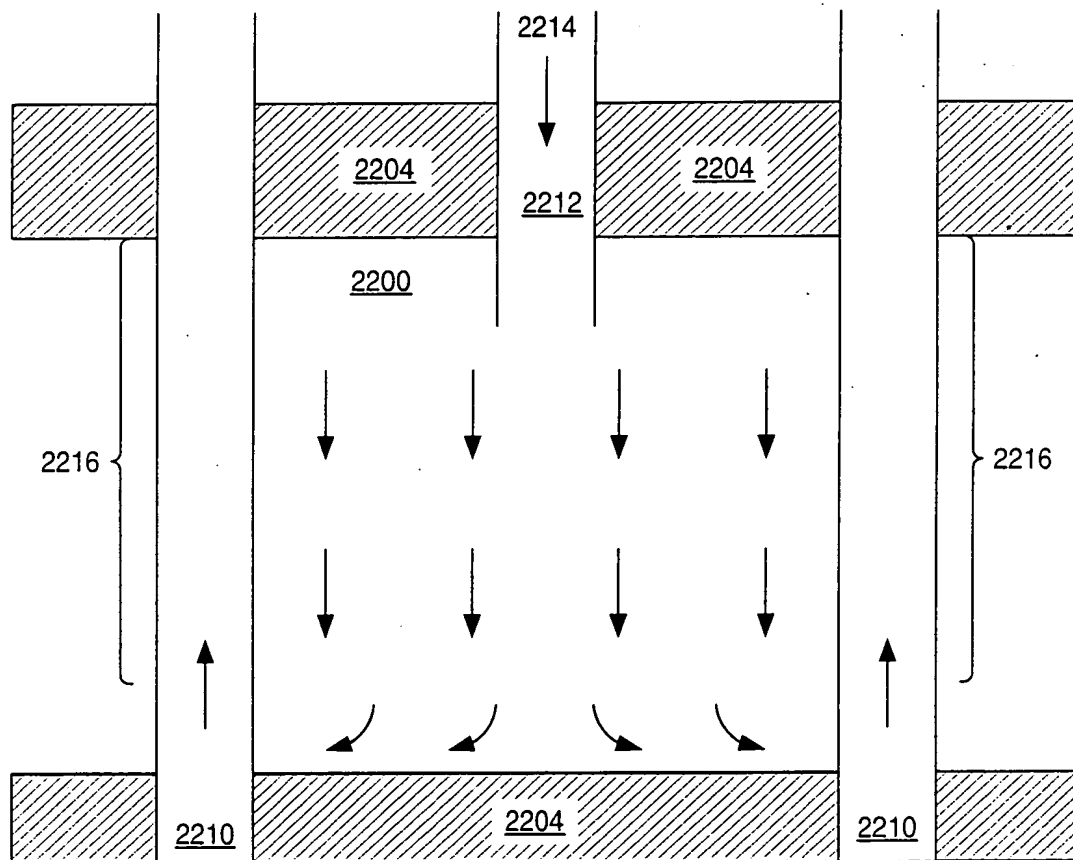


FIG. 45

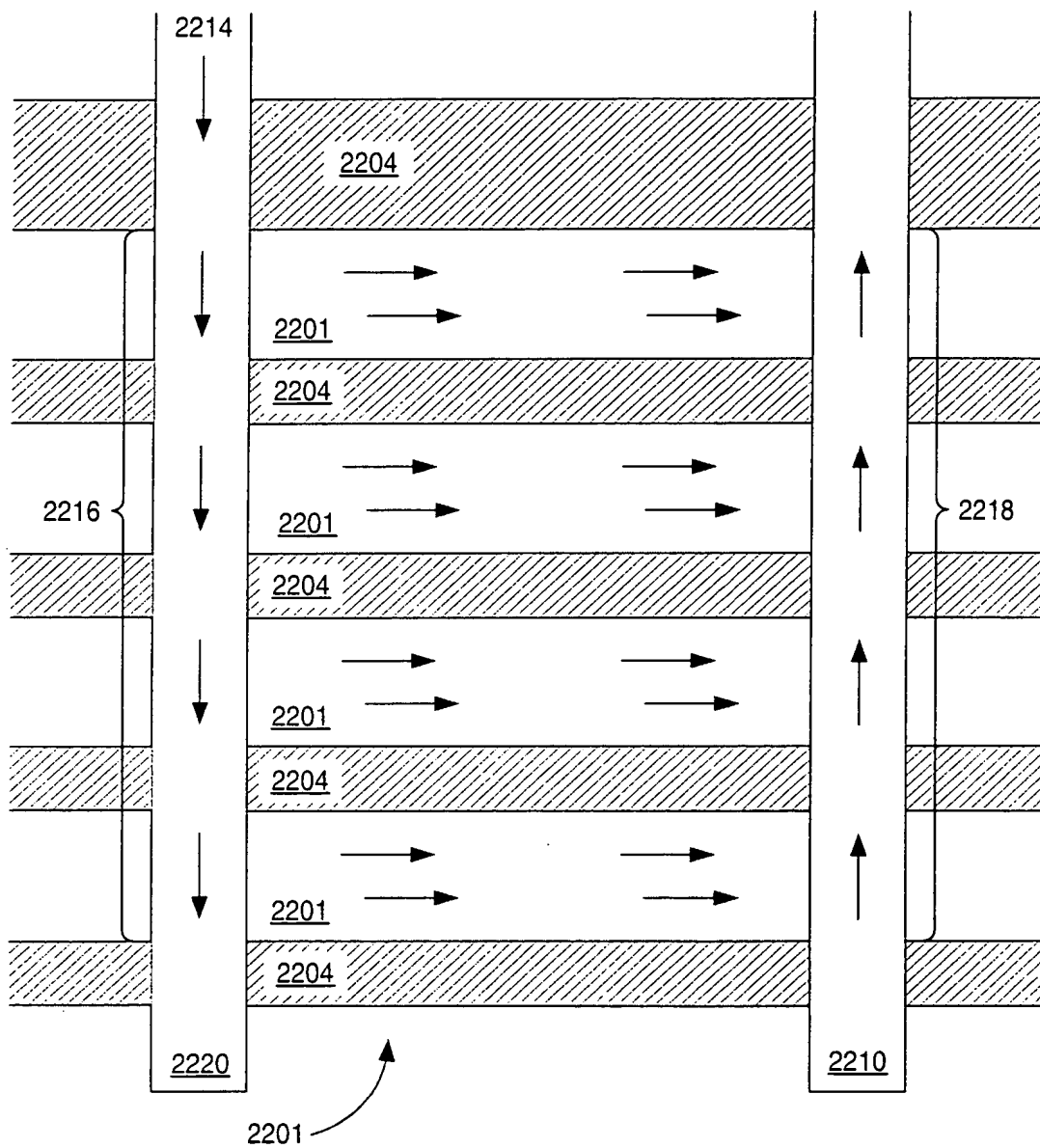


FIG. 46



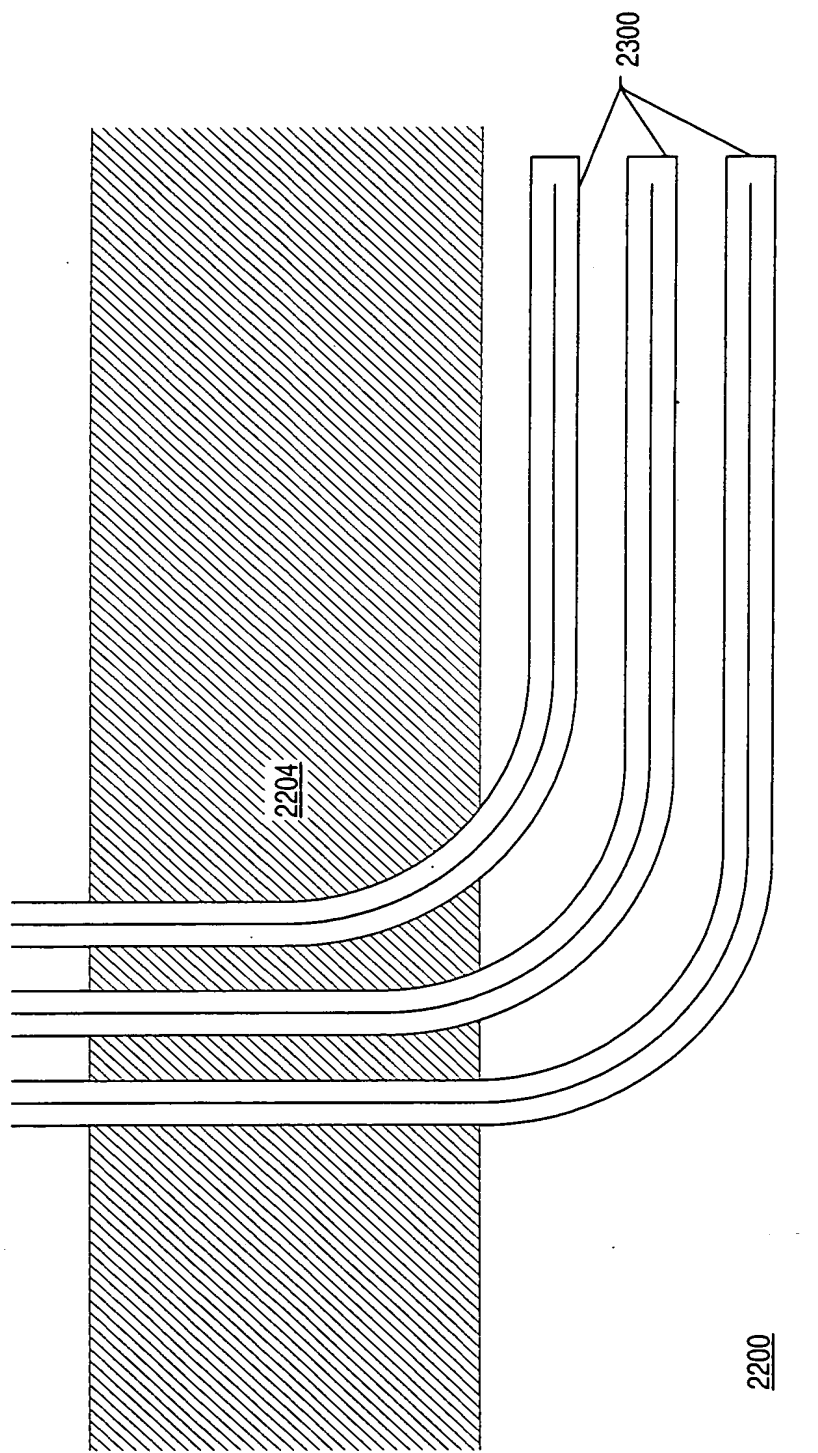


FIG. 47

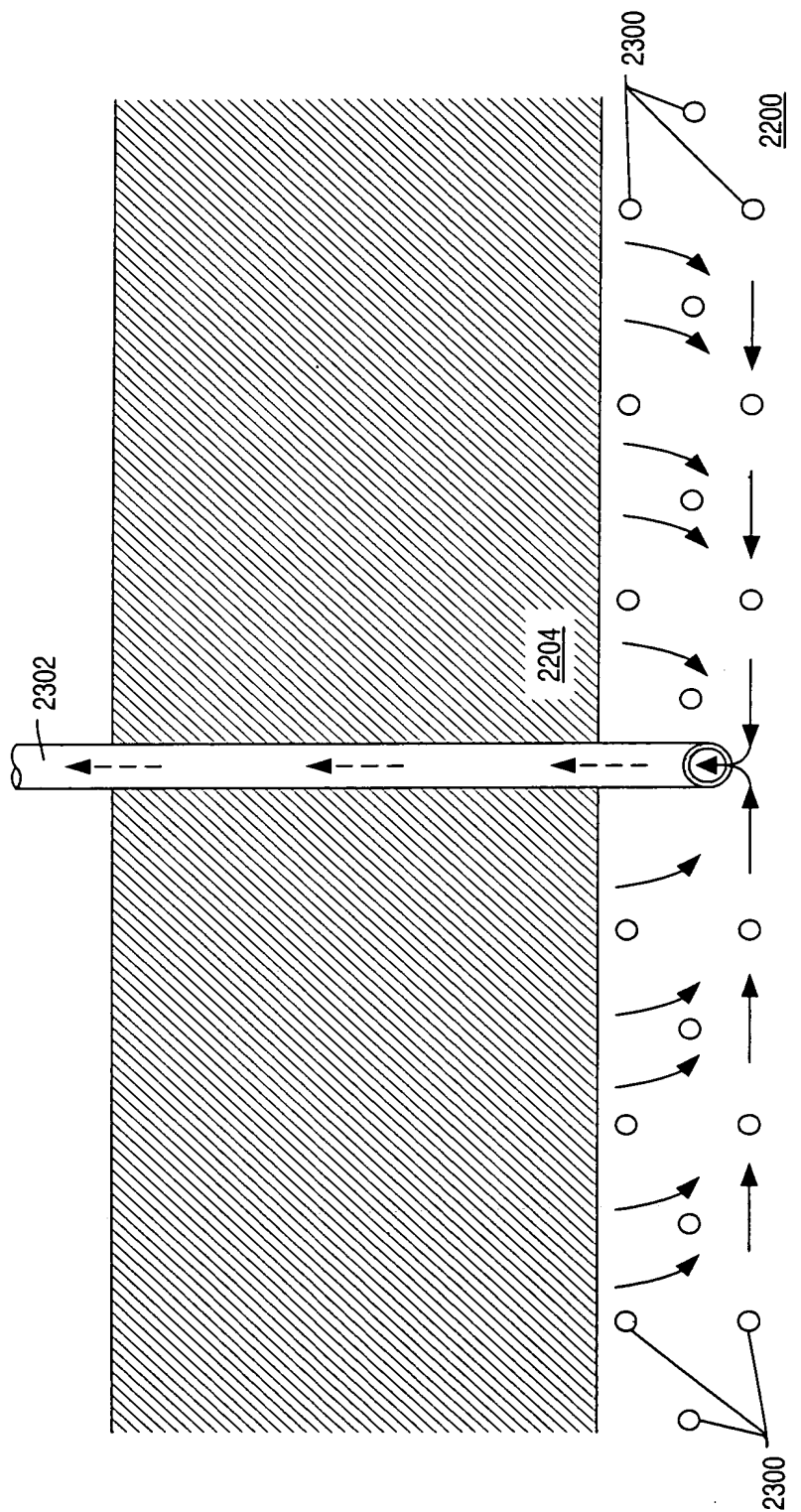


FIG. 48

FIG. 49

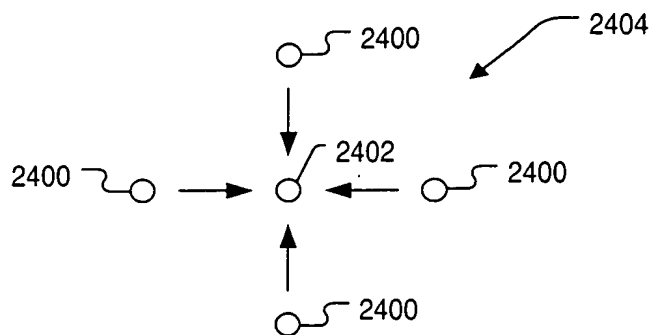


FIG. 49

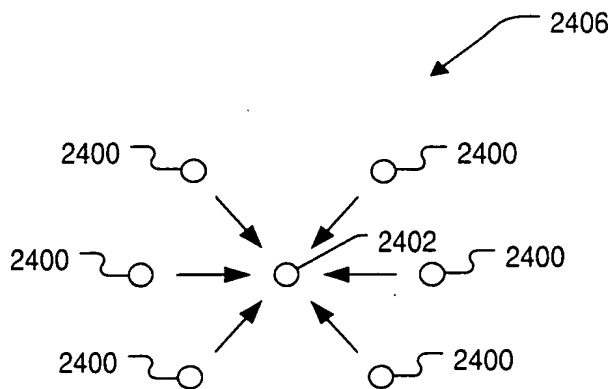


FIG. 50

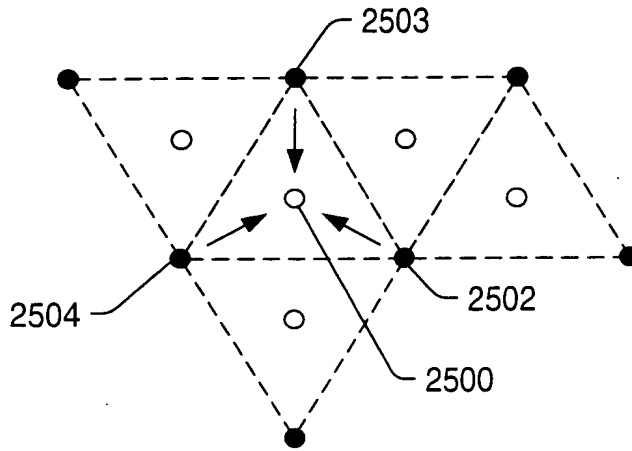


FIG. 51

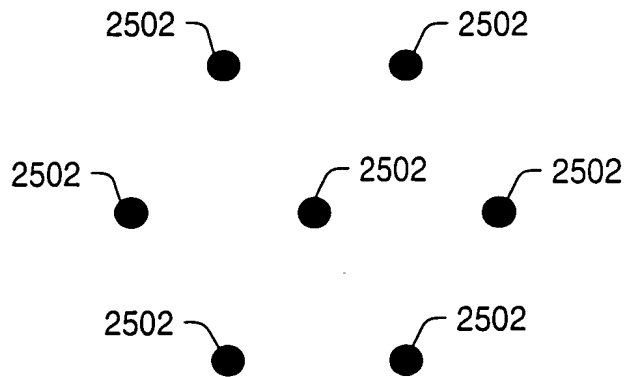


FIG. 52

FIG. 53

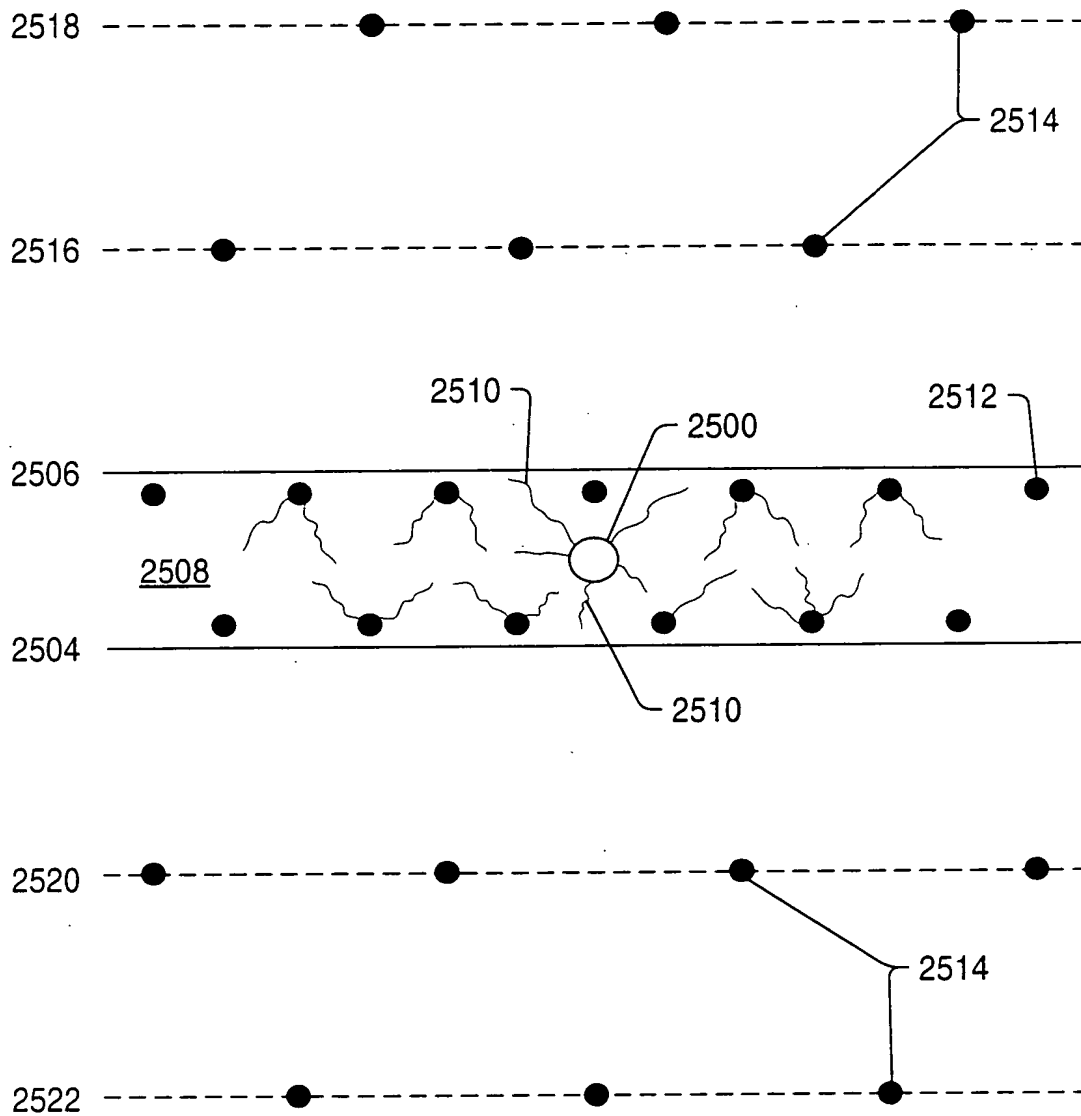


FIG. 53

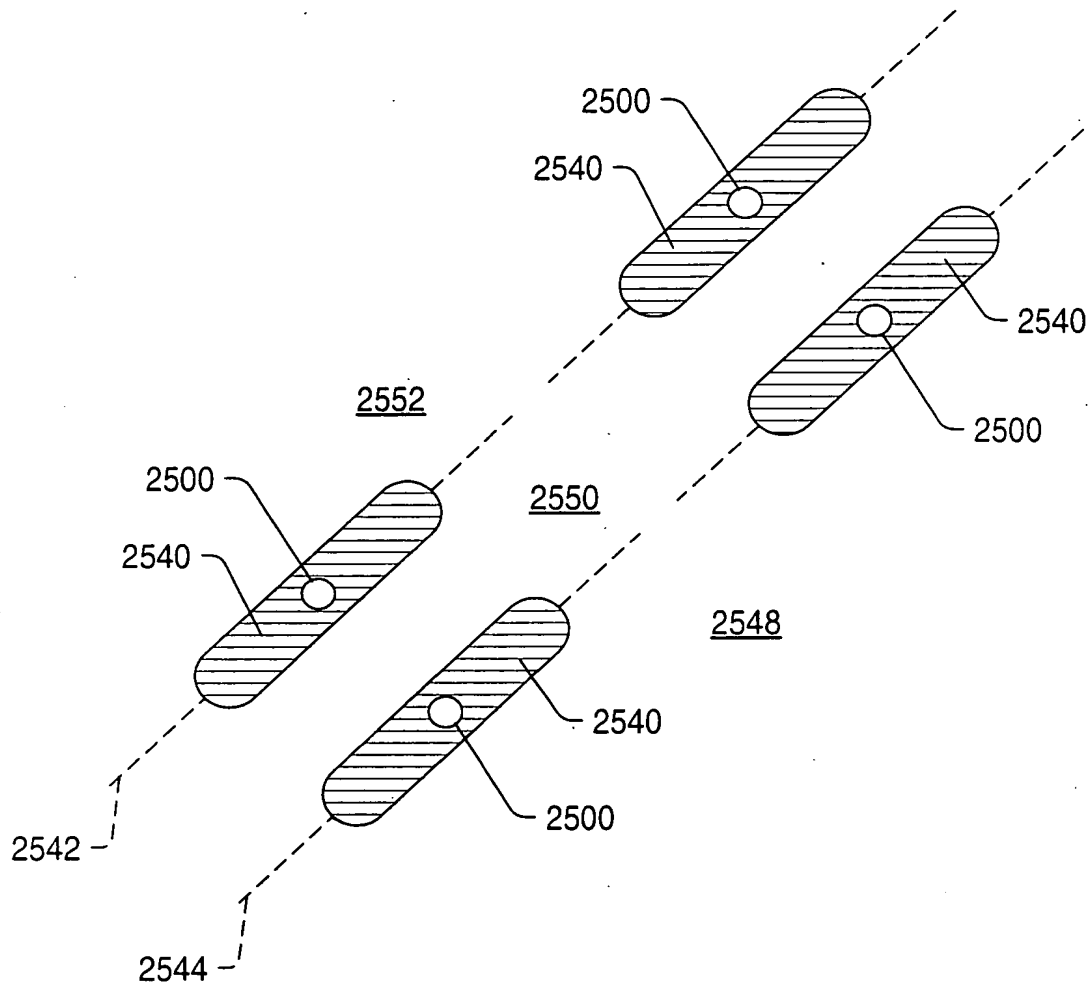


FIG. 54

FIG. 55

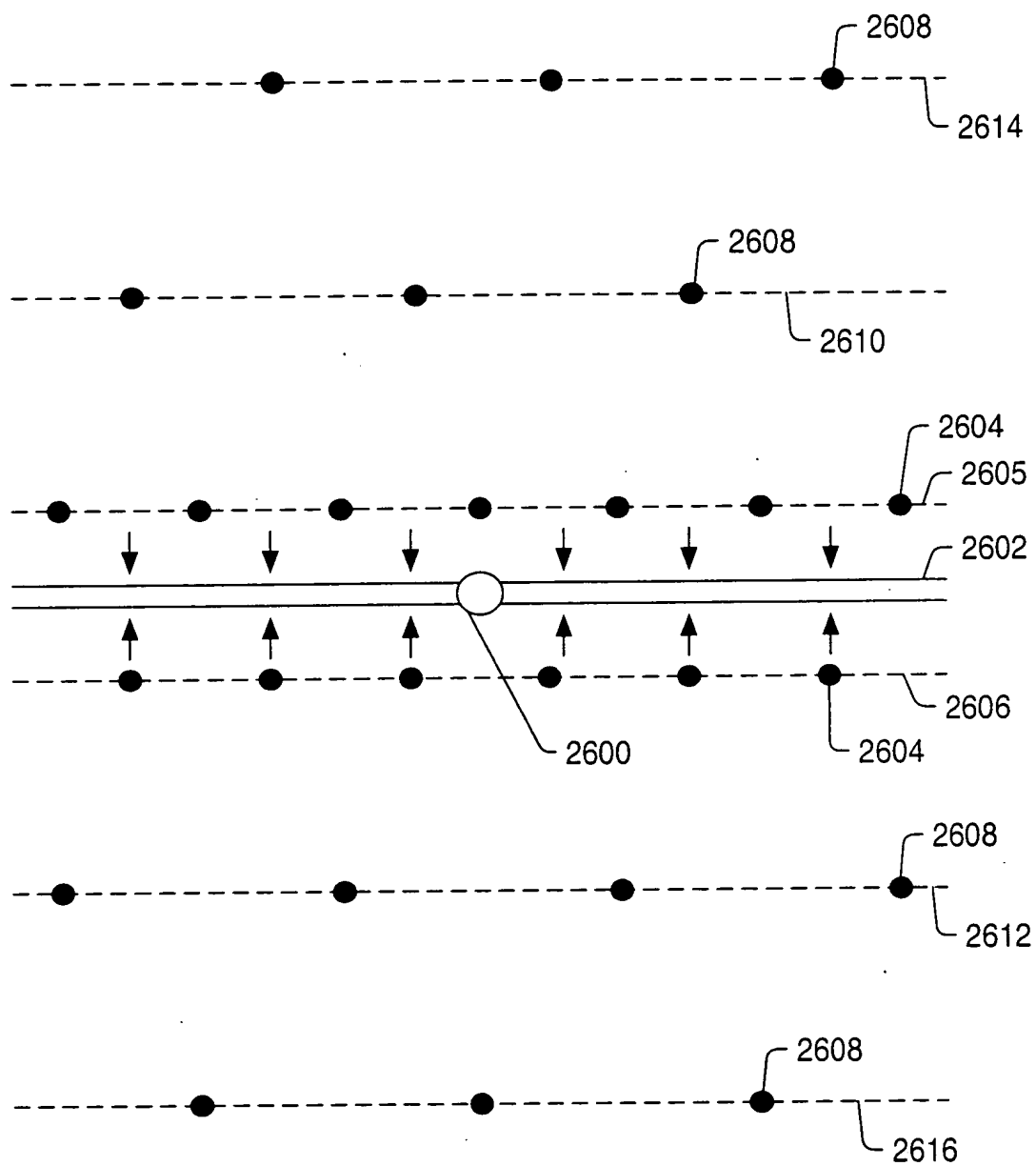


FIG. 55

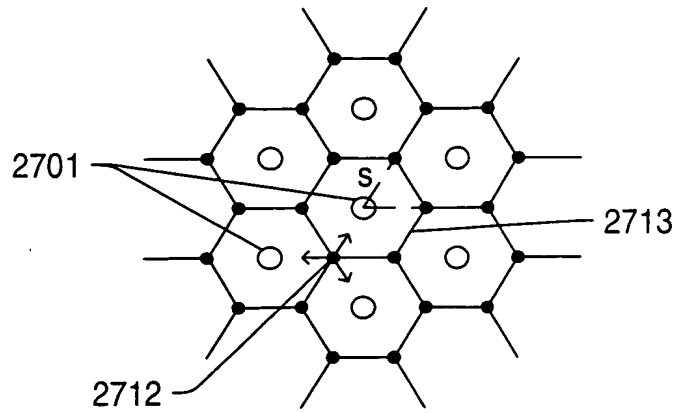


FIG. 58

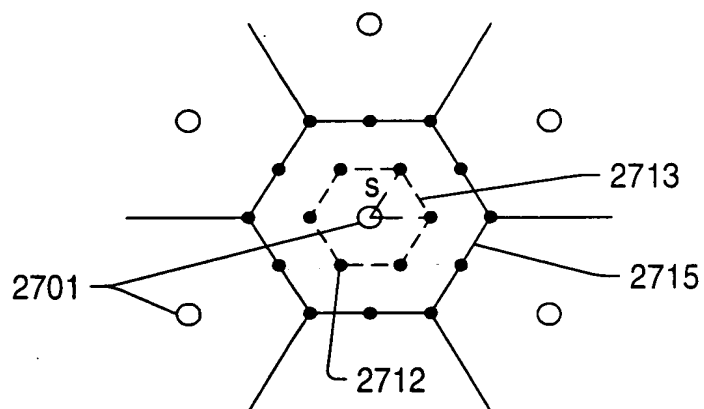


FIG. 59



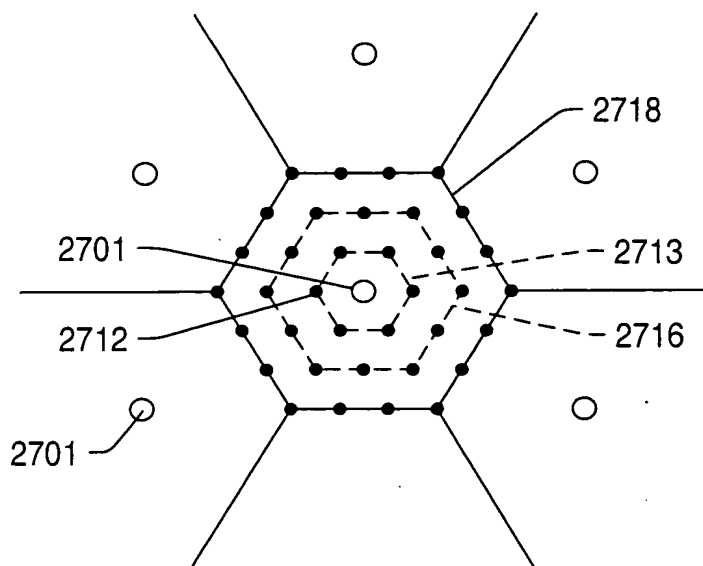


FIG. 60

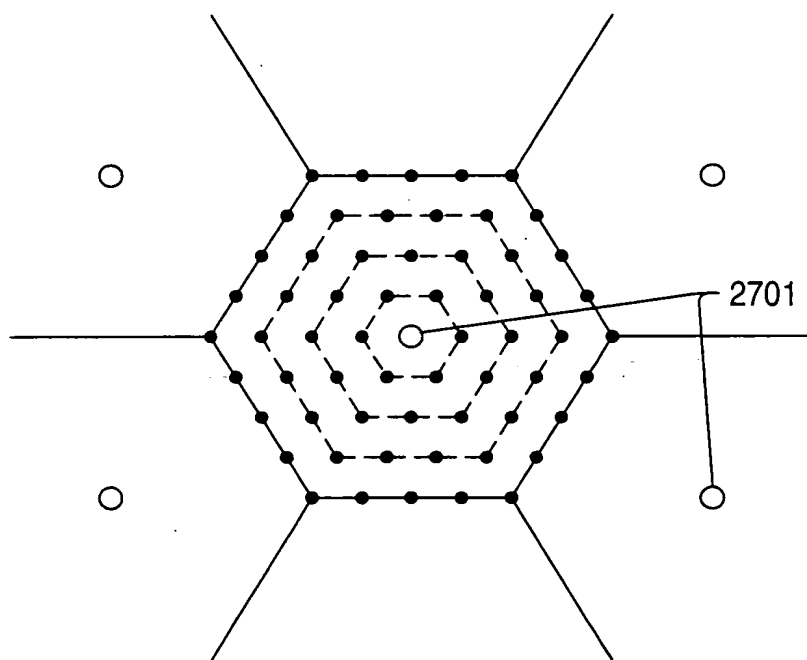


FIG. 61

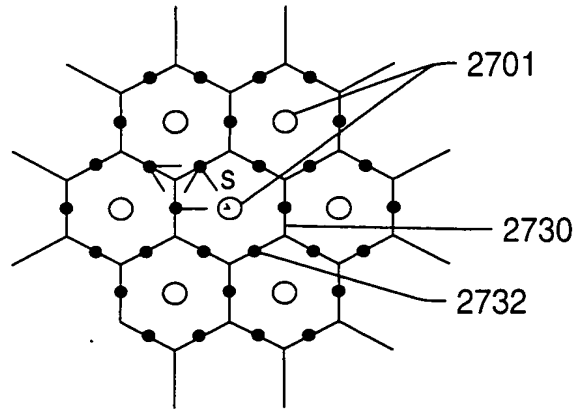


FIG. 62

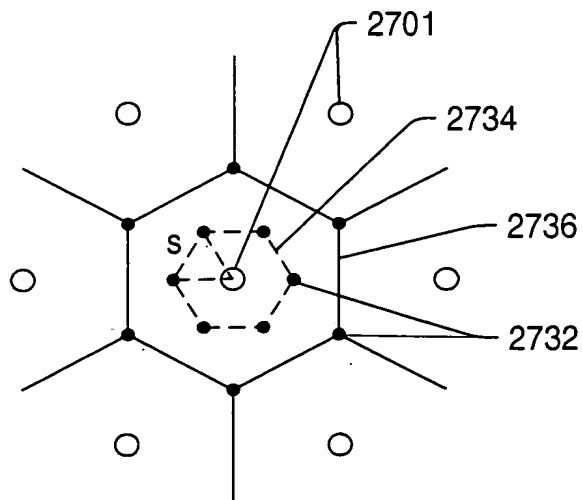


FIG. 63

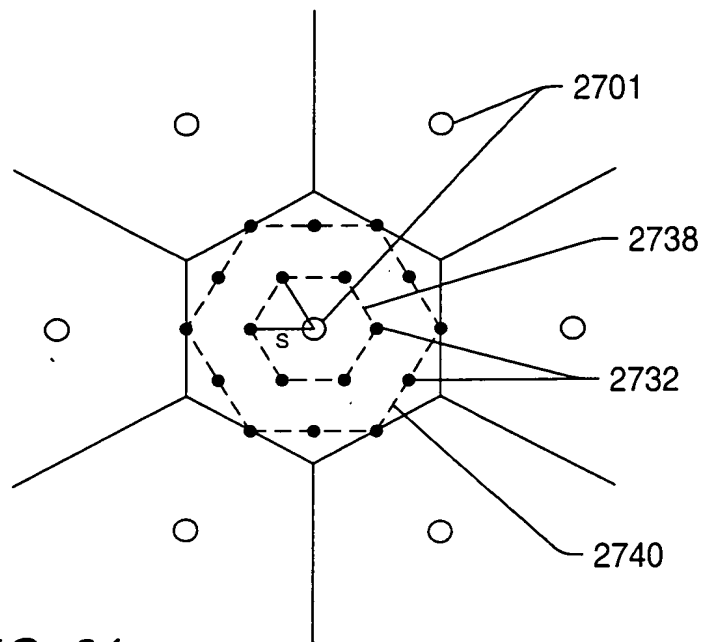


FIG. 64

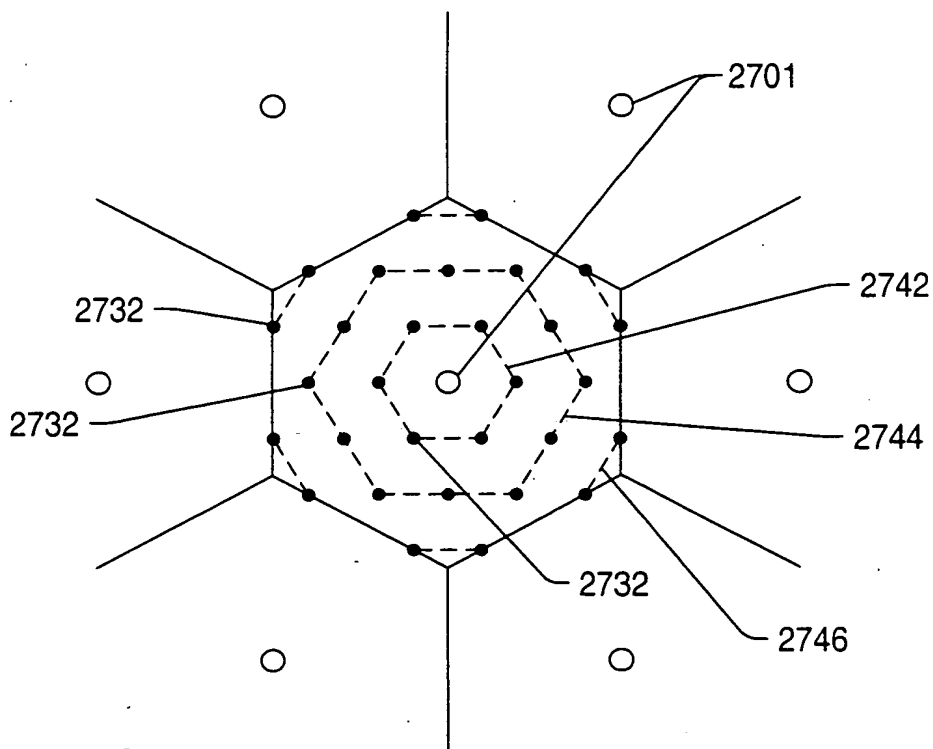


FIG. 65

FIG. 70

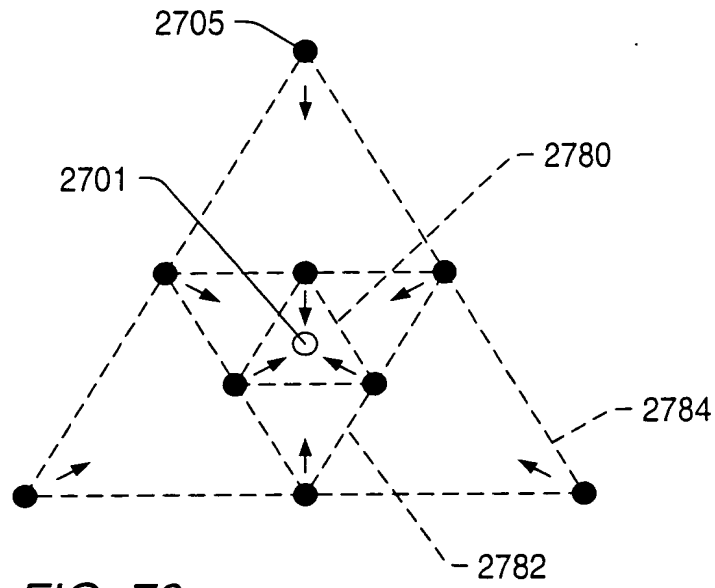


FIG. 70

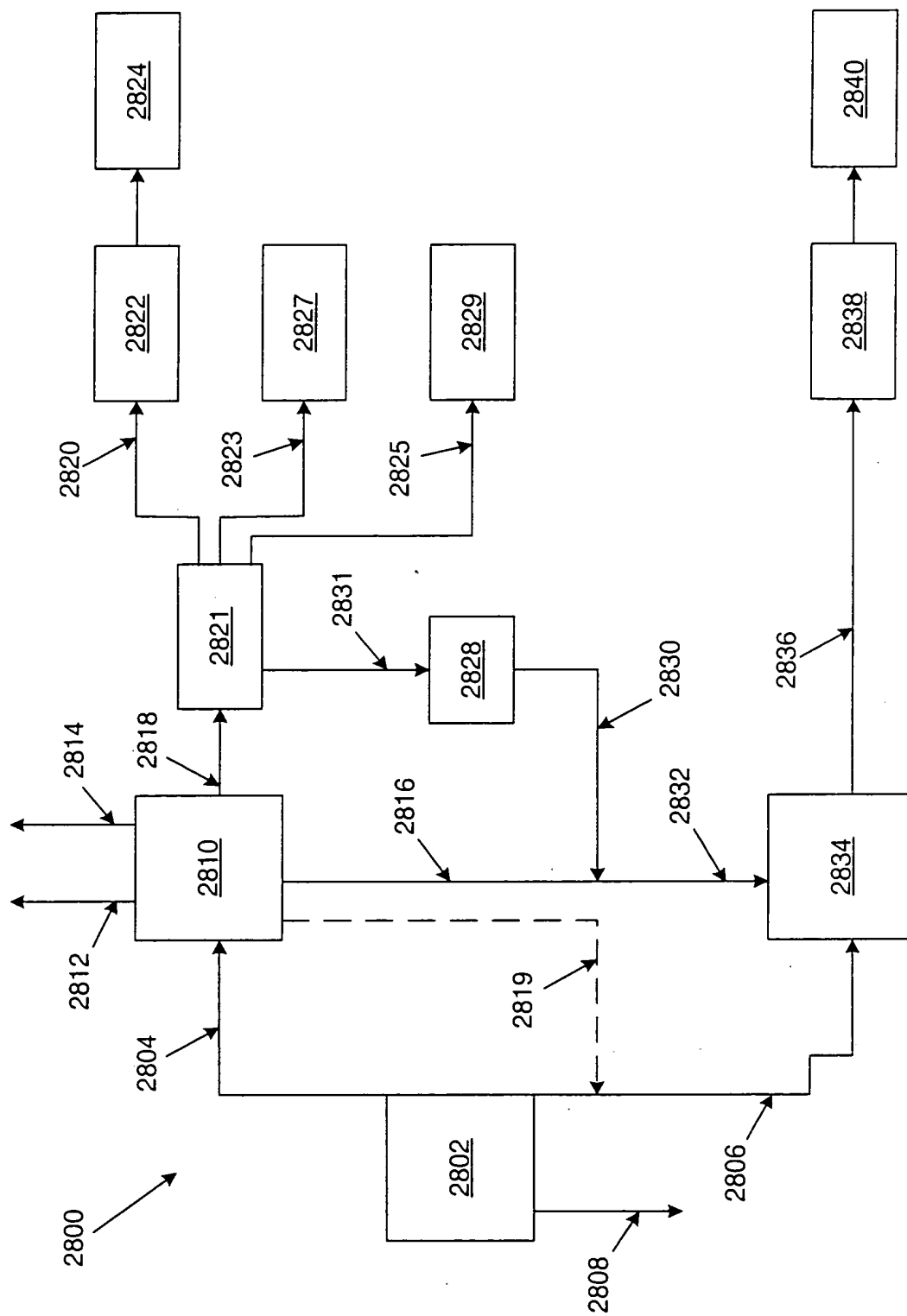


Fig. 71

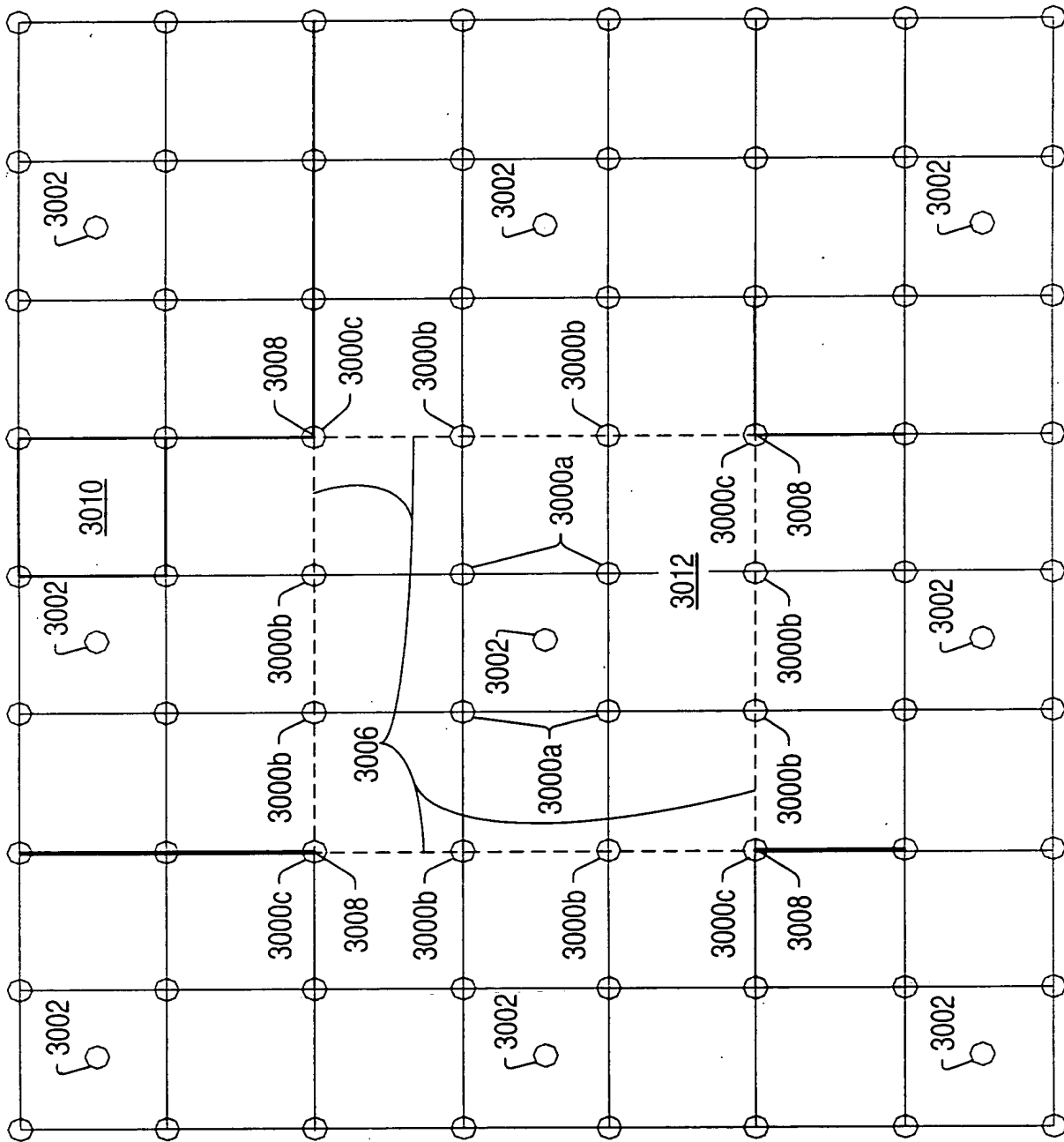


FIG. 74

FIG. 75

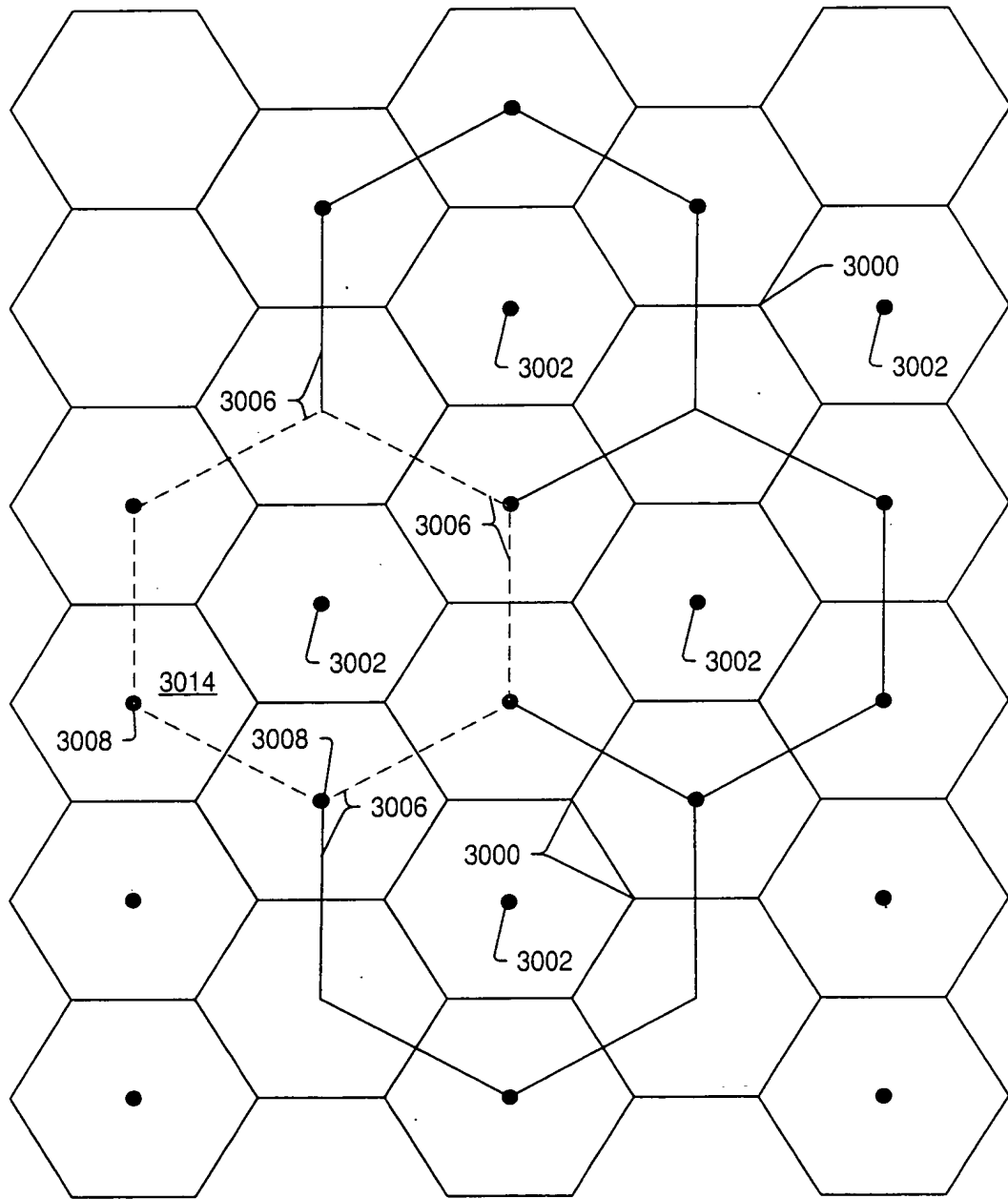


FIG. 75

FIG. 77

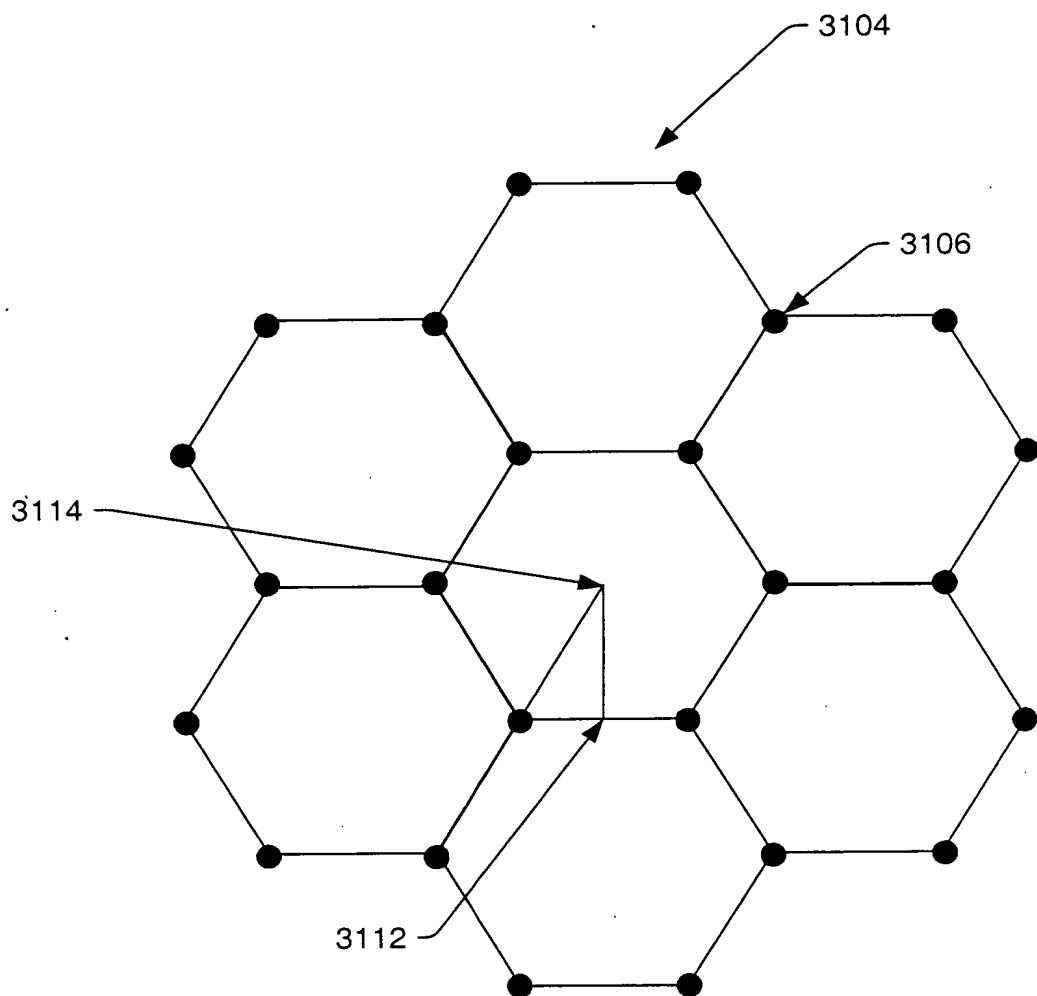


FIG. 77



FIG. 77a

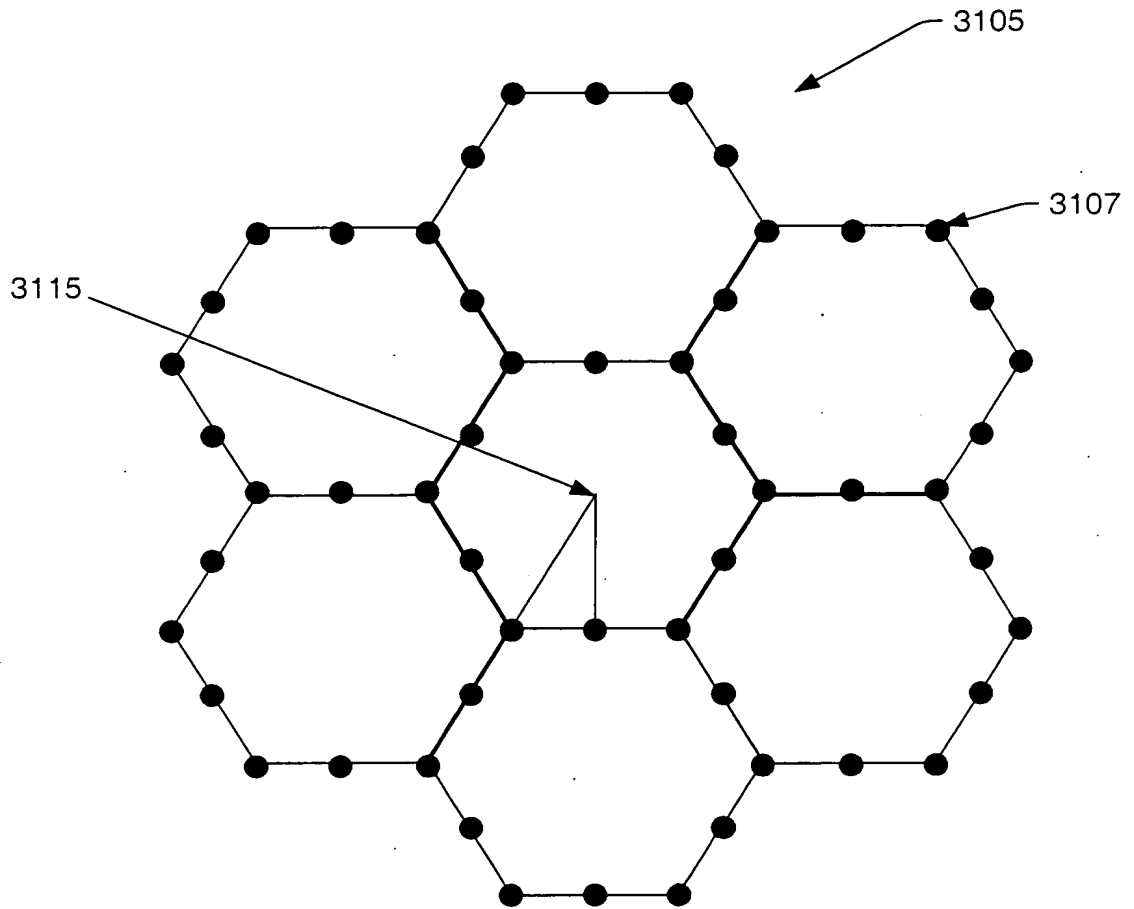


FIG. 77a

FIG. 78

3110

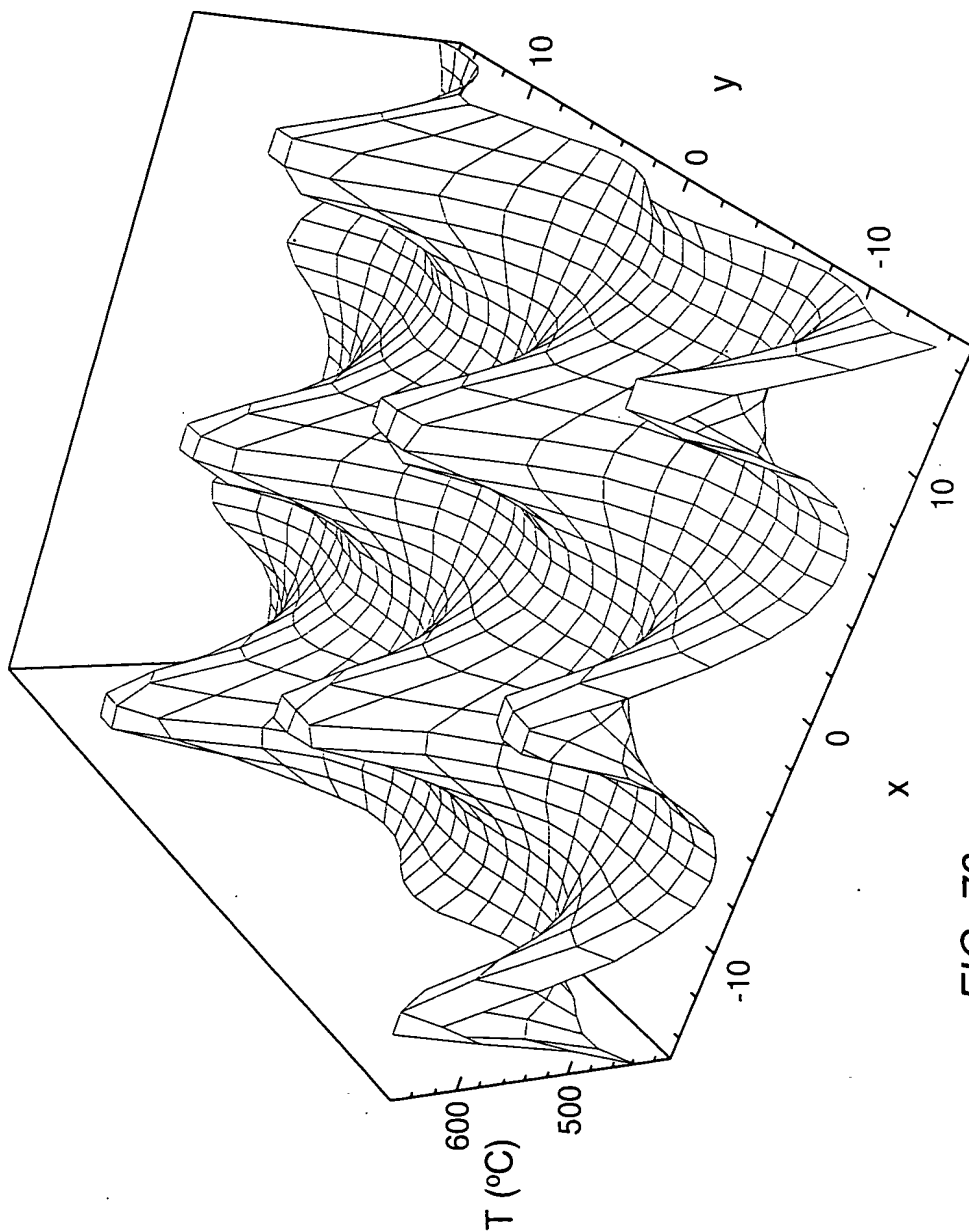


FIG. 78

FIG. 79 is a 3D surface plot of the temperature distribution T (°C) as a function of position (x, y) for the device 3108. The plot shows a series of peaks and valleys, indicating a non-uniform temperature distribution across the device area.

3108

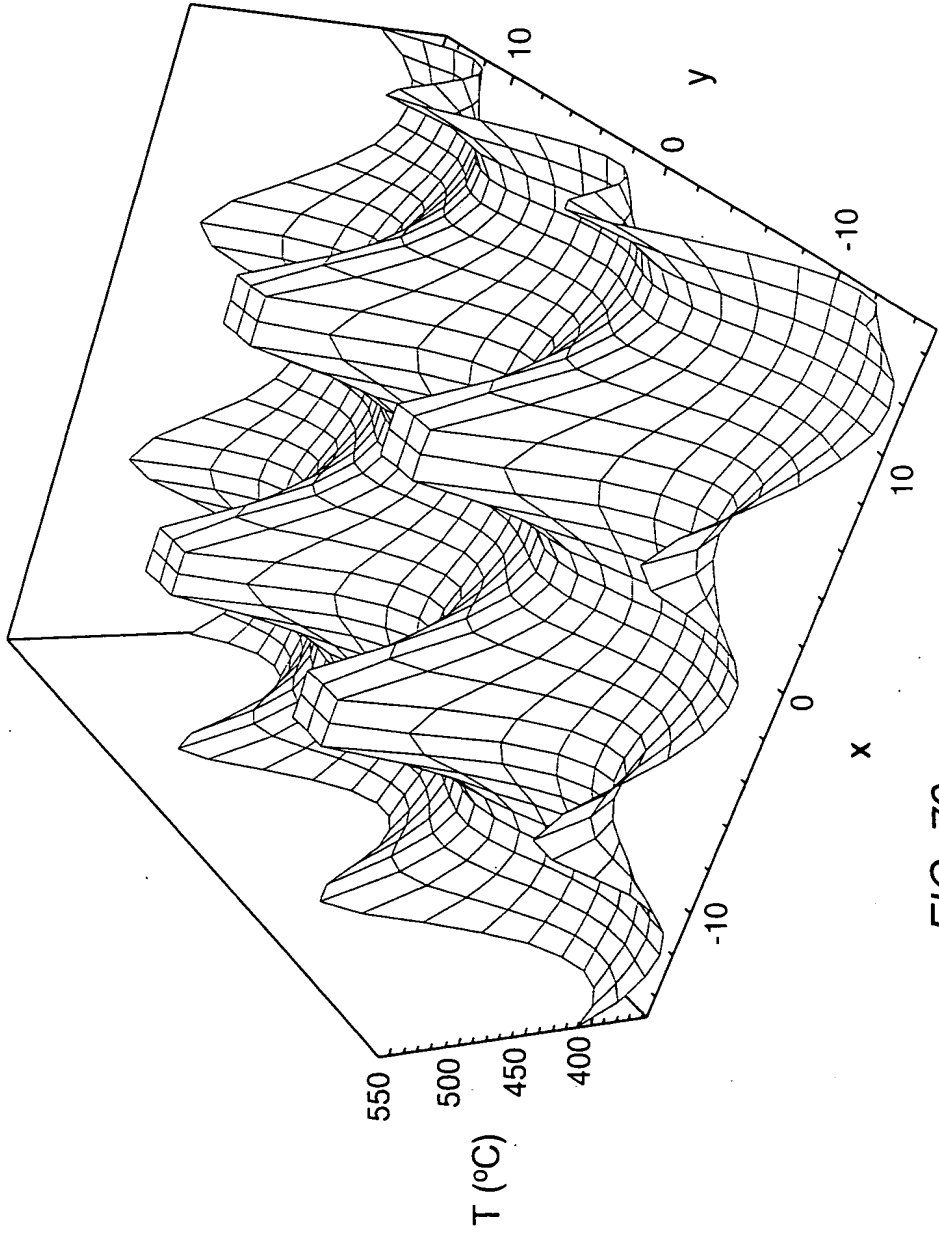


FIG. 79

FIG. 79a

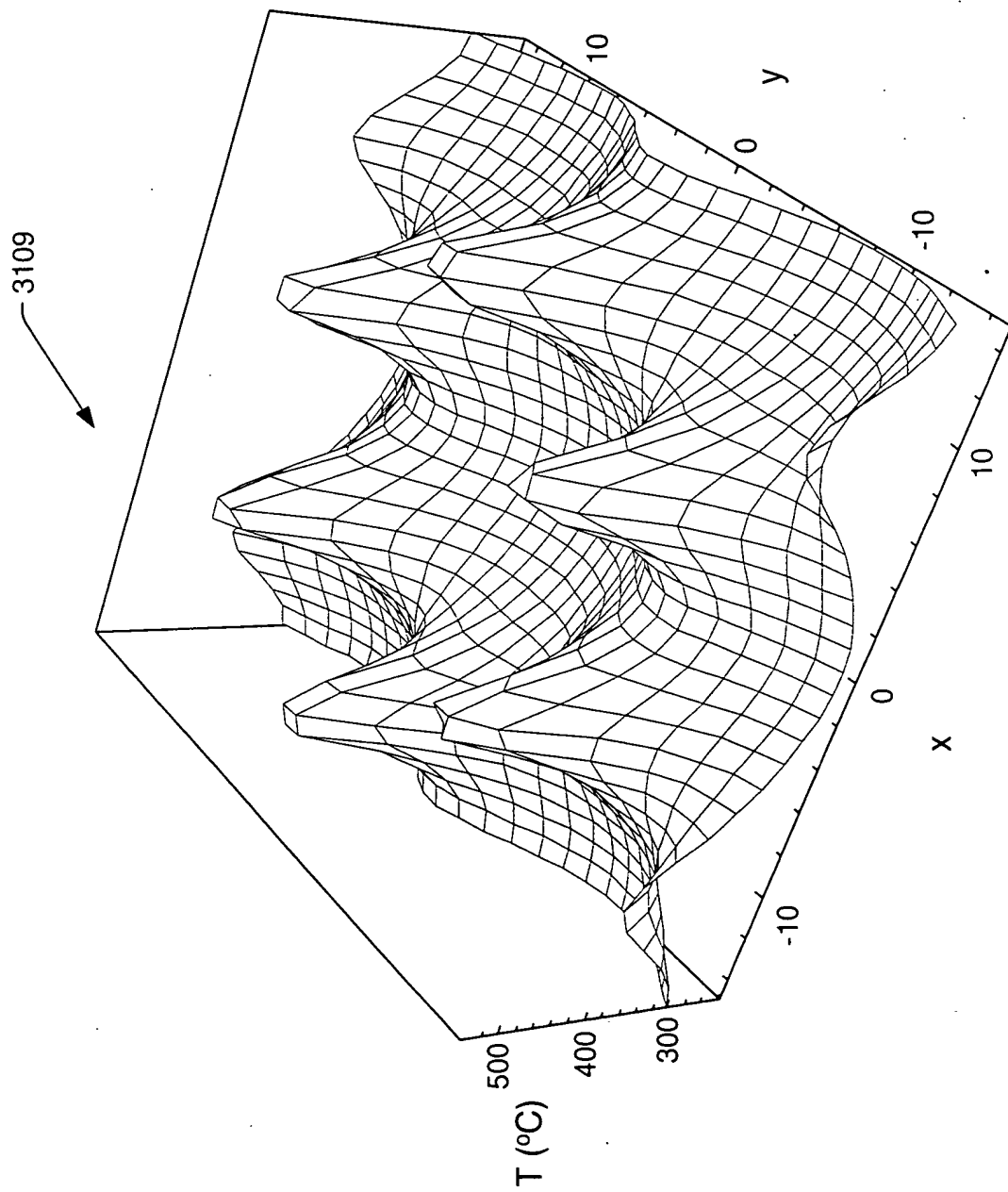


FIG. 79a

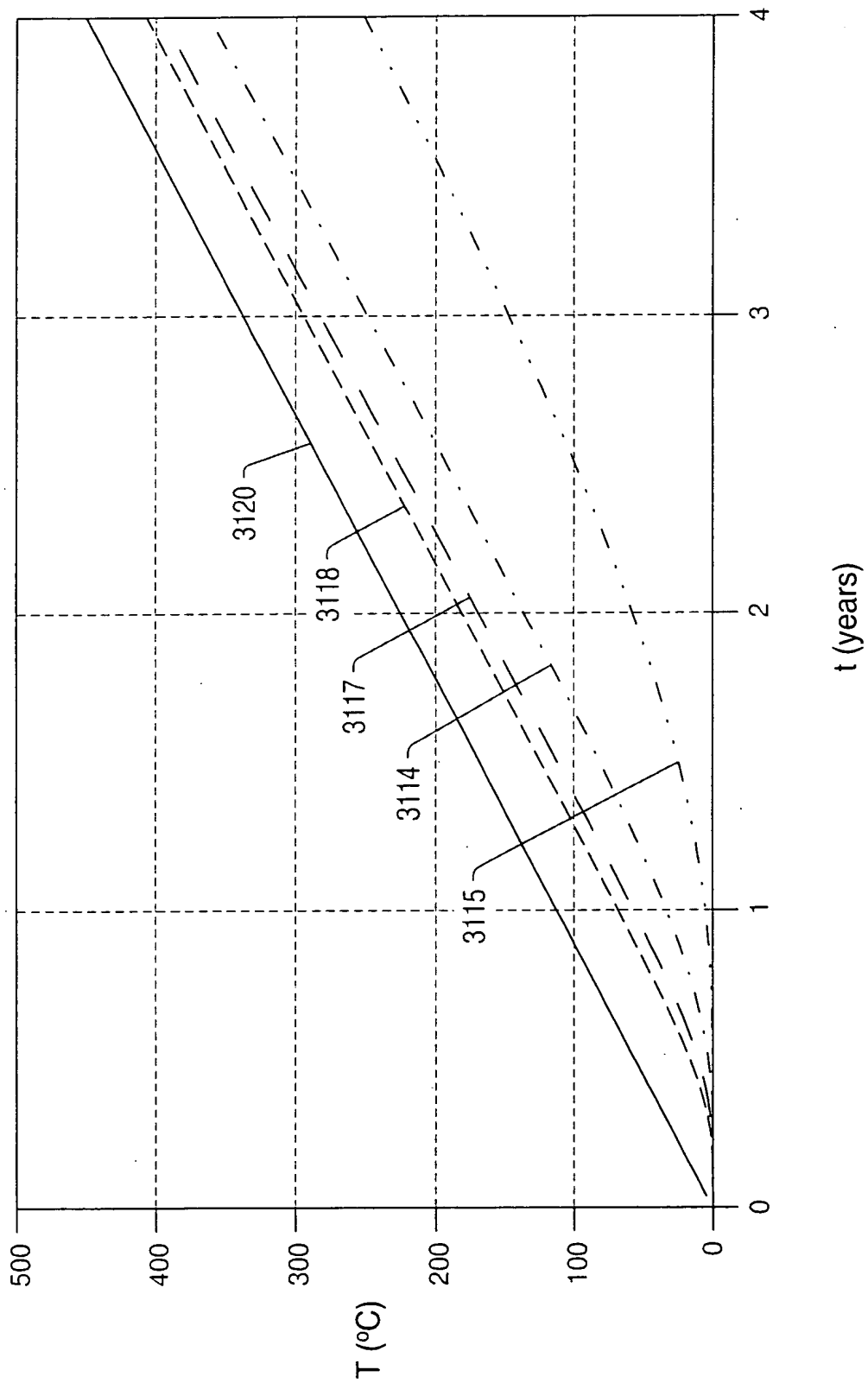


FIG. 80

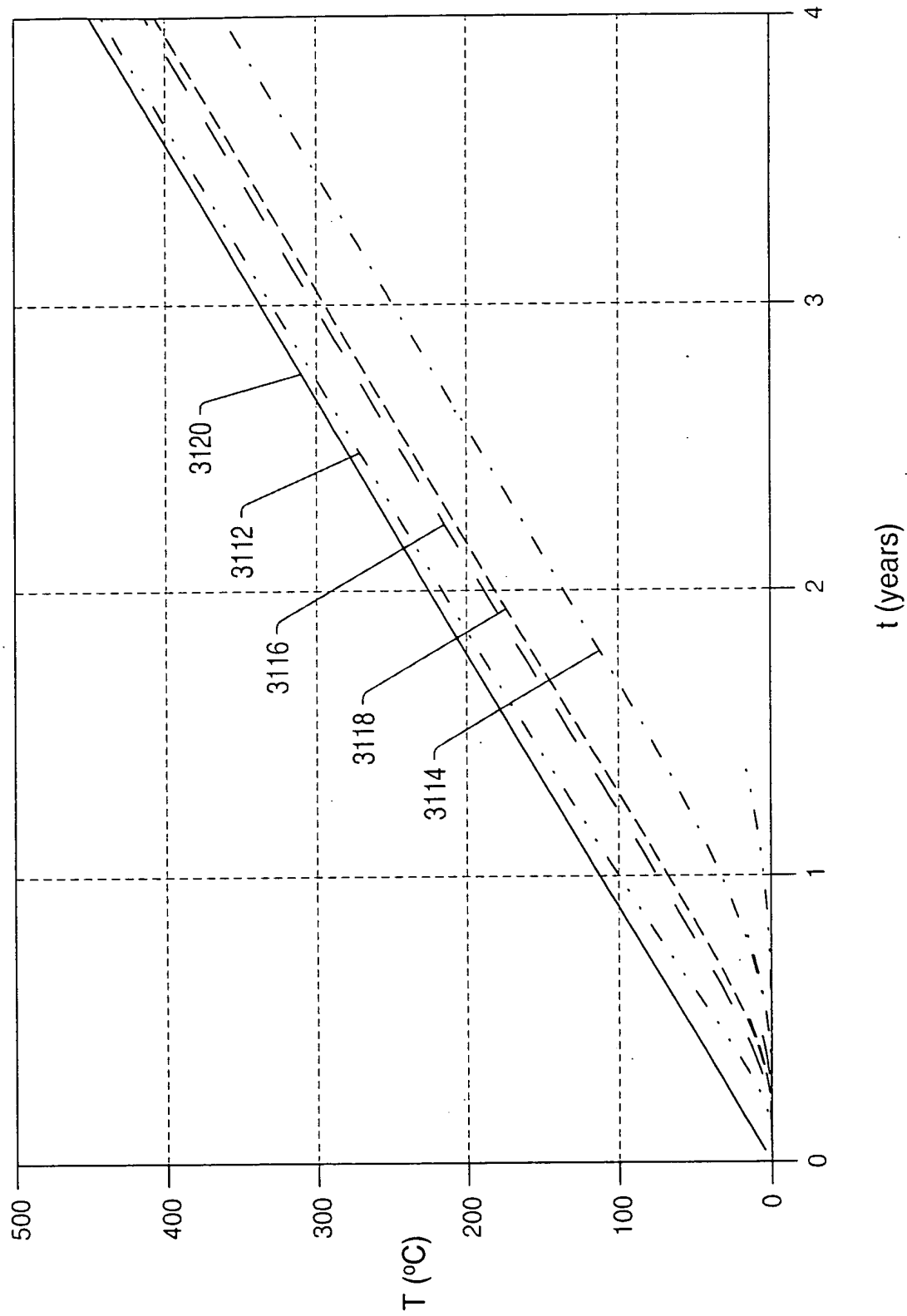


FIG. 81

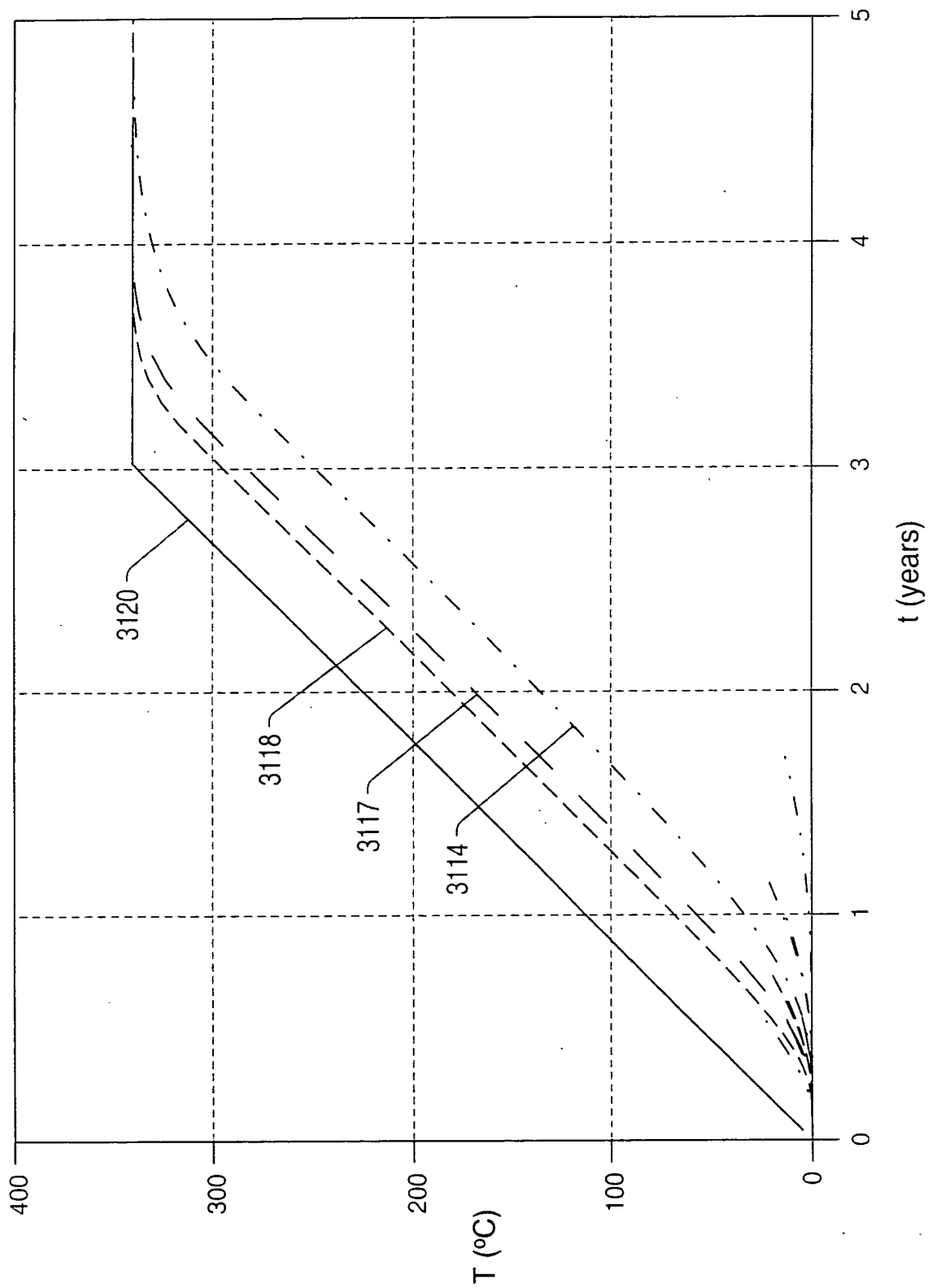


FIG. 81b

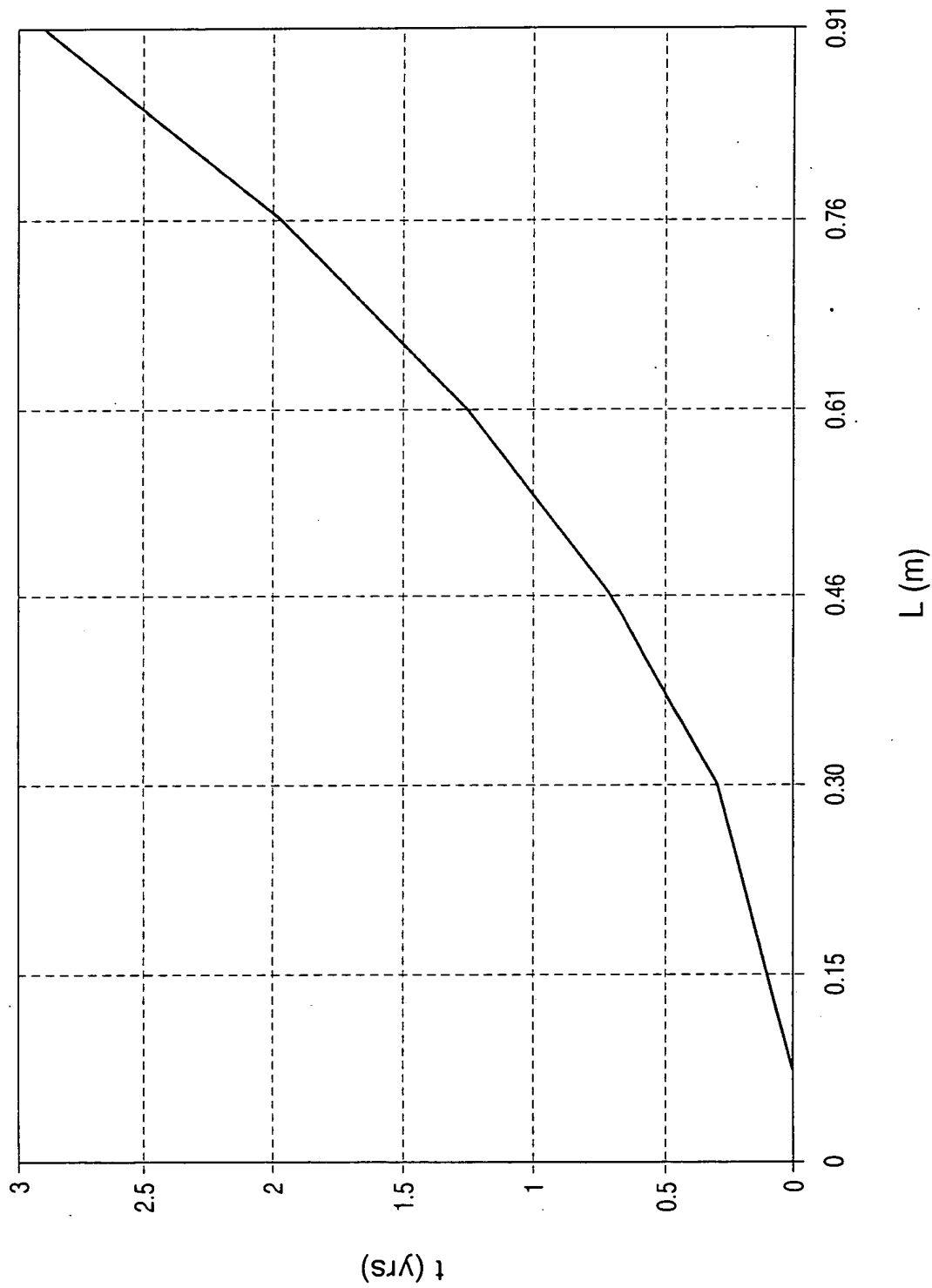


FIG. 82



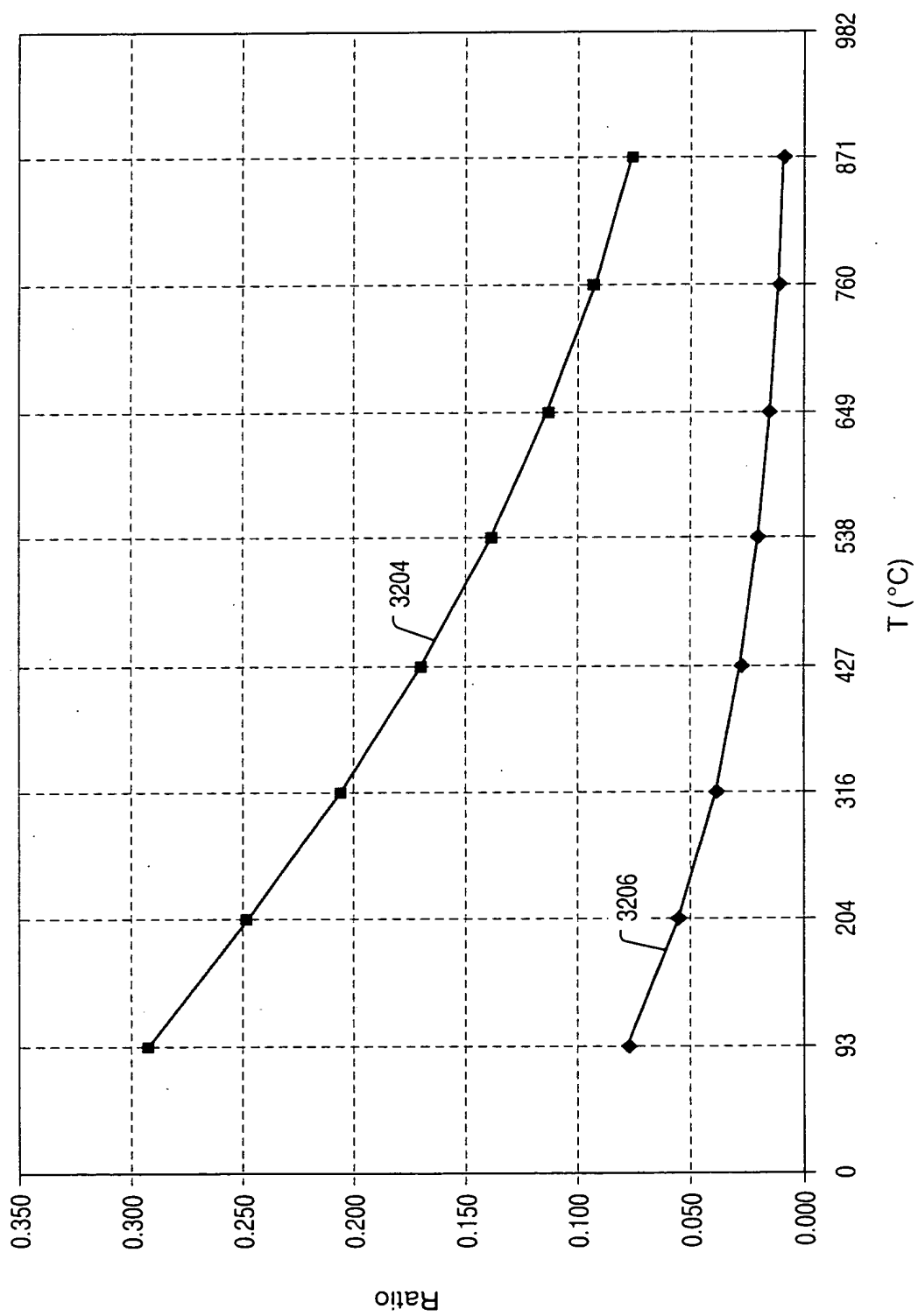


FIG. 83

101310 0547450

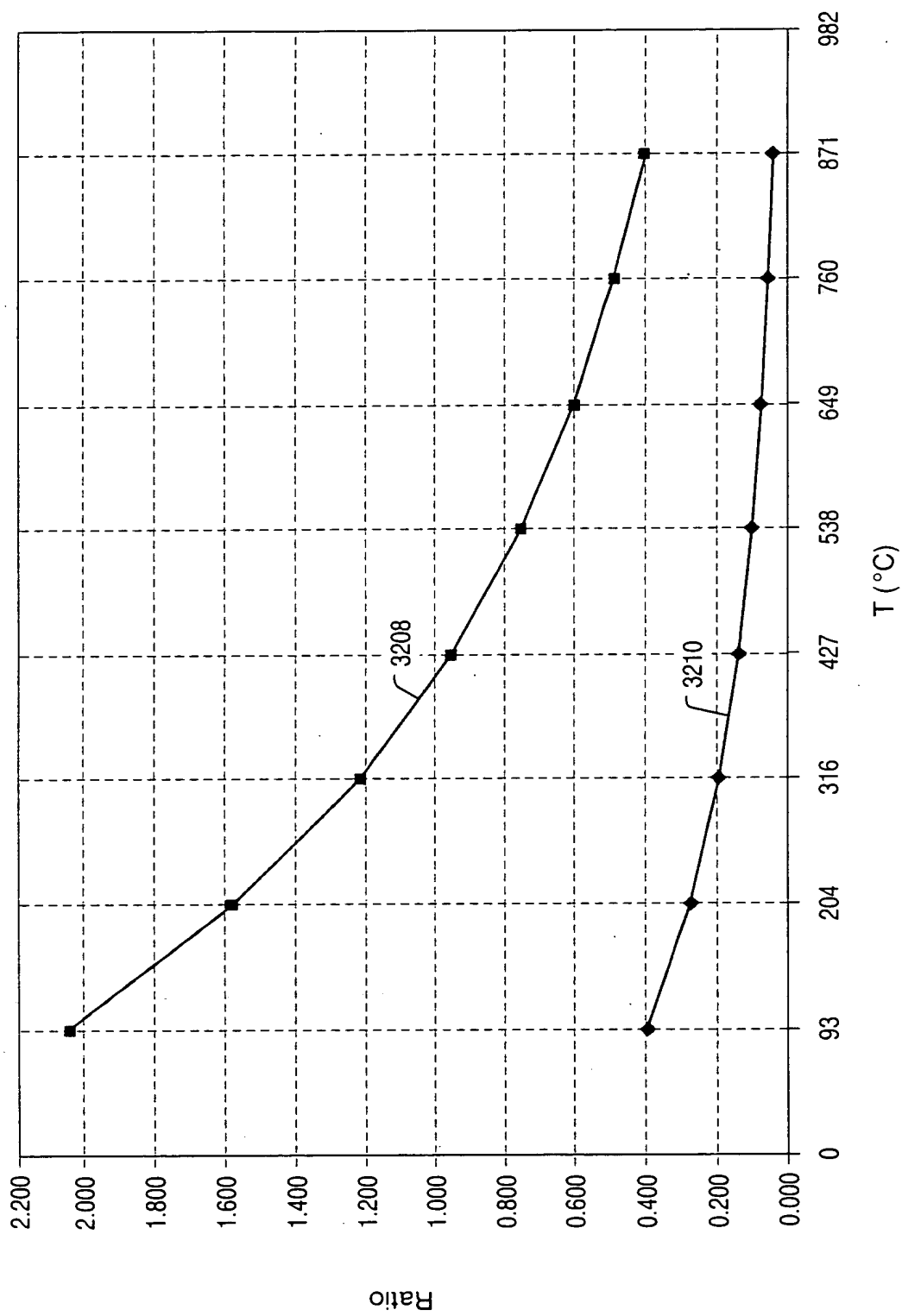


FIG. 84

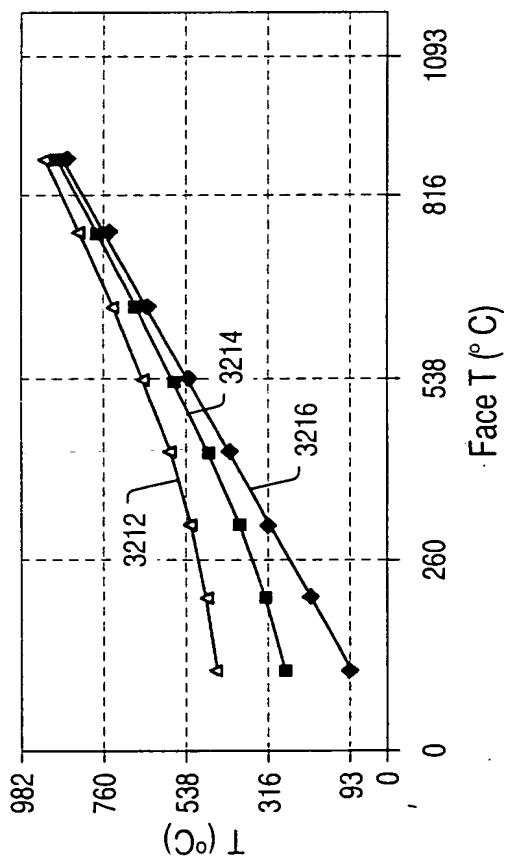


FIG. 85

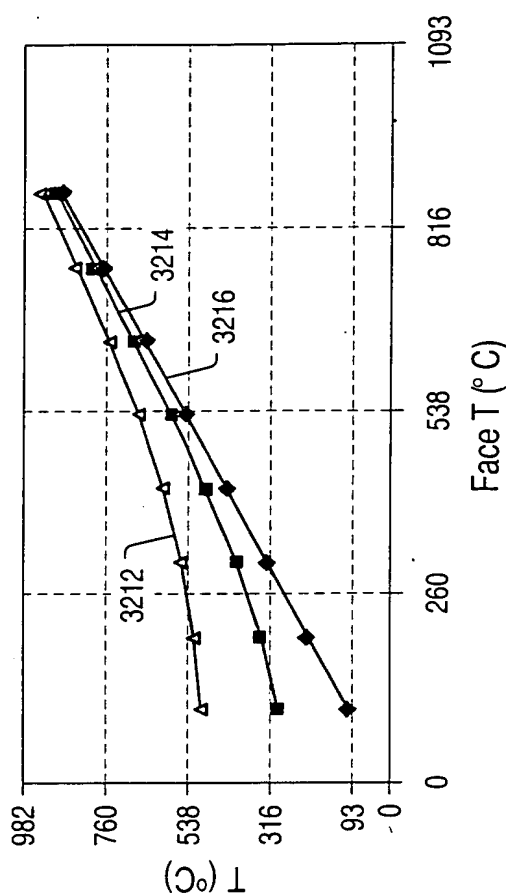


FIG. 86

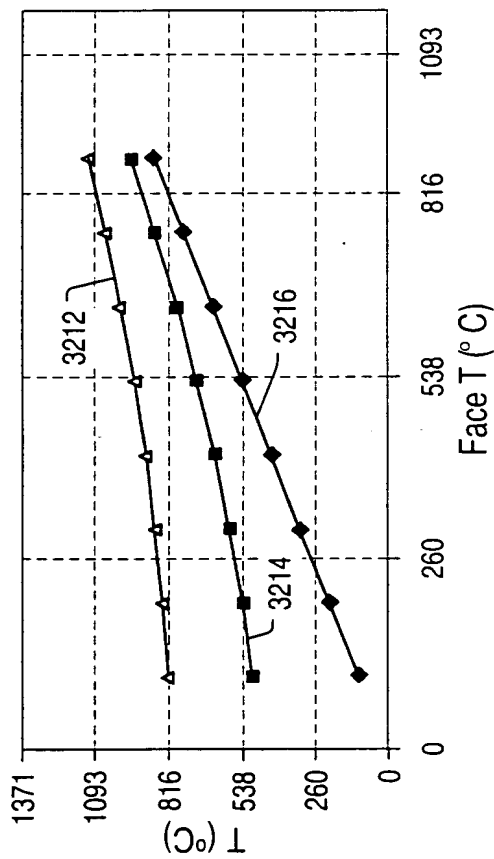


FIG. 87

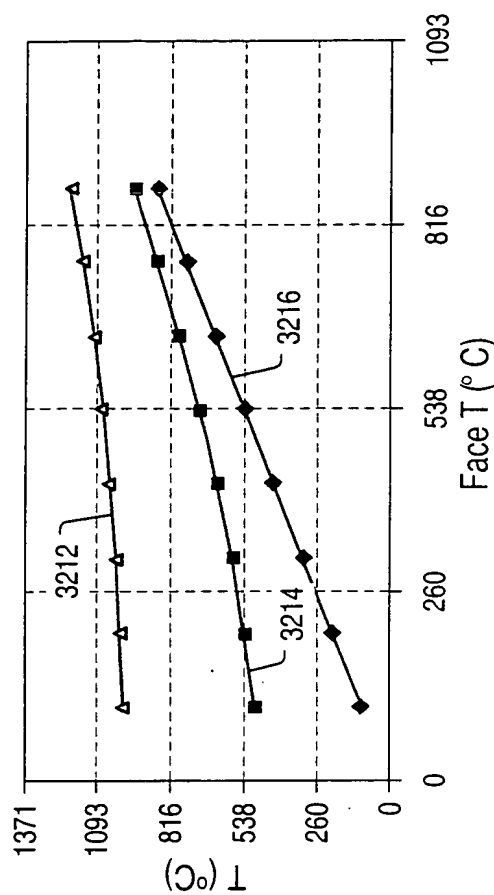


FIG. 88

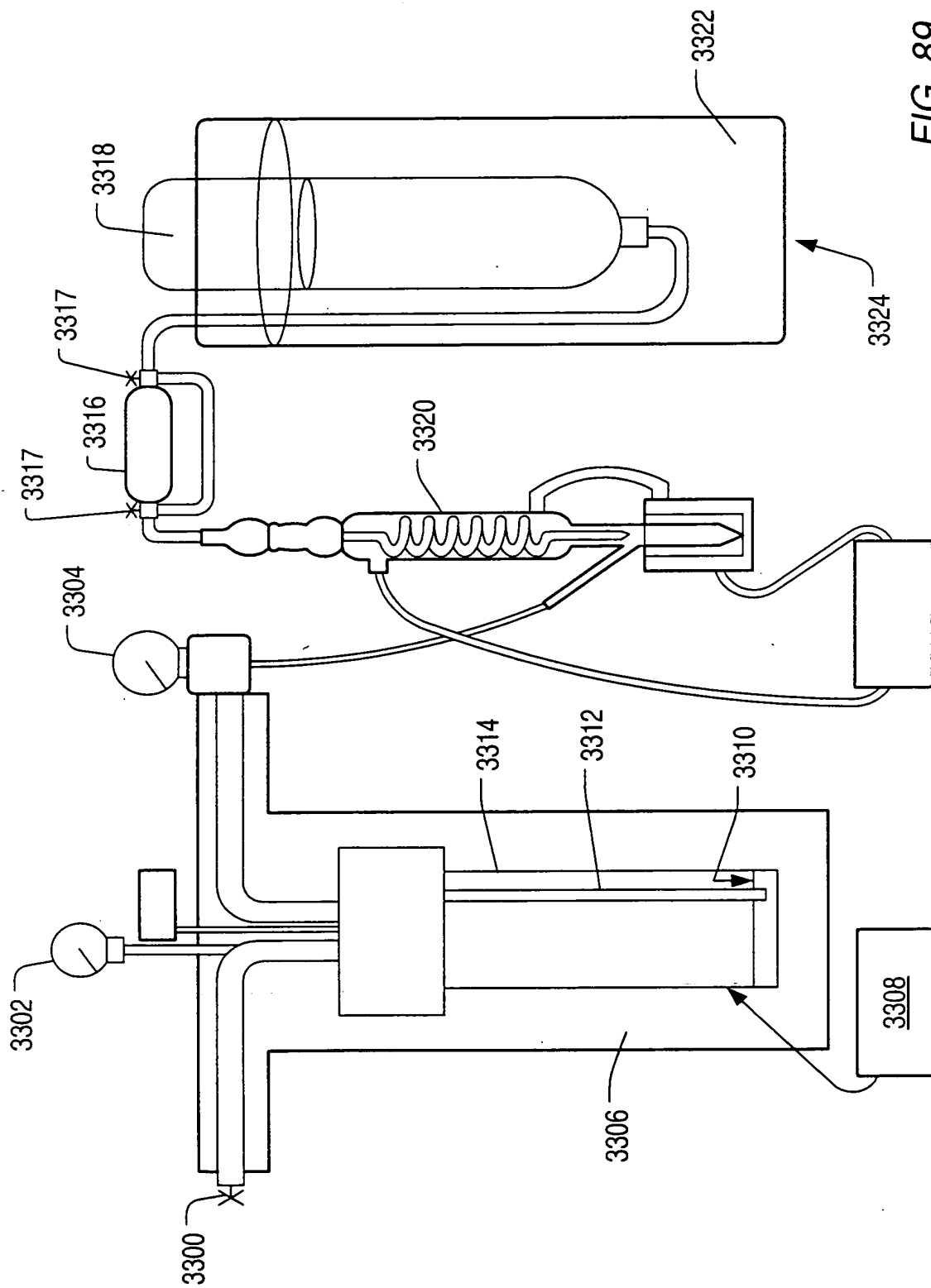


FIG. 89

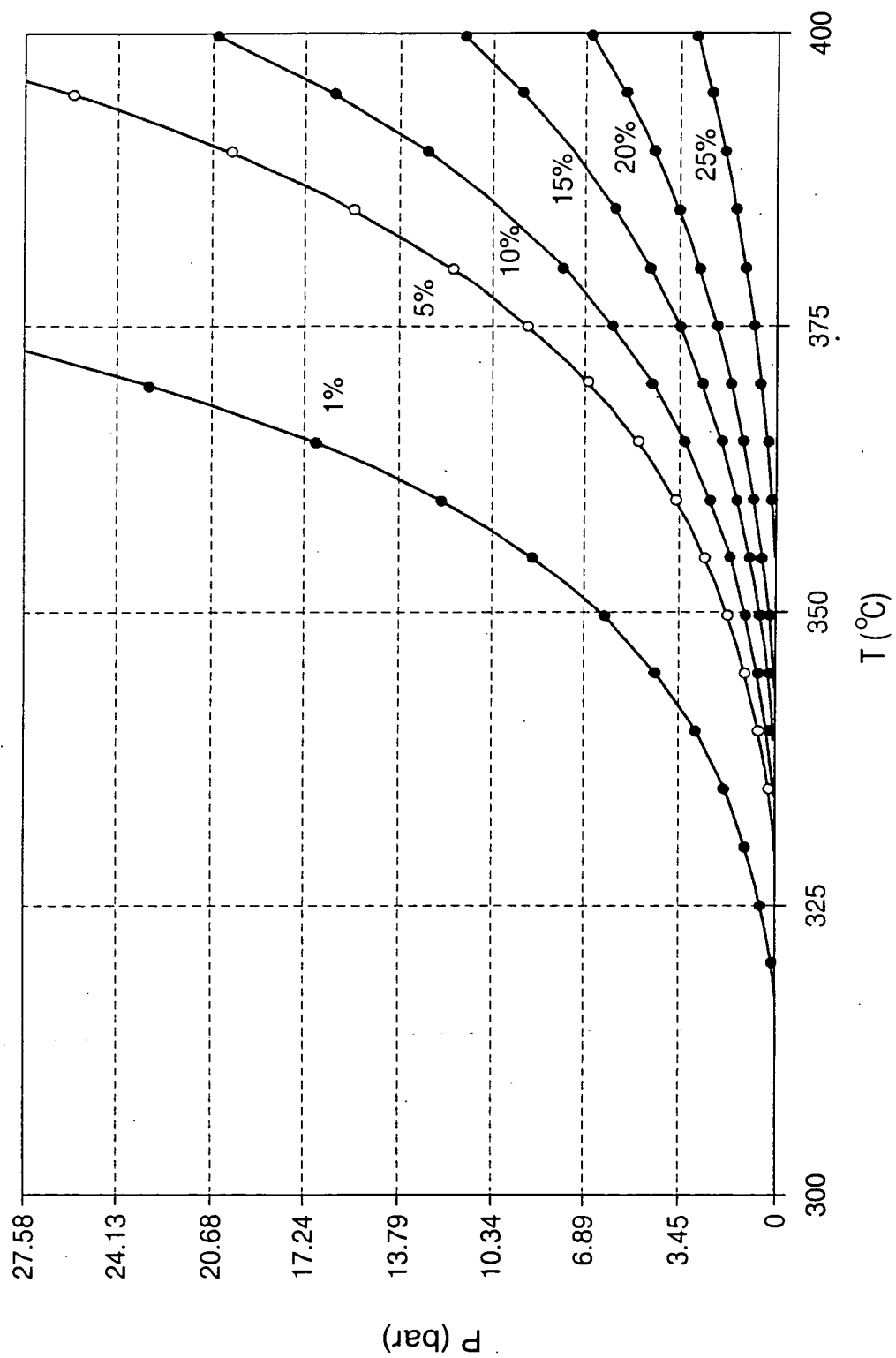


FIG. 90

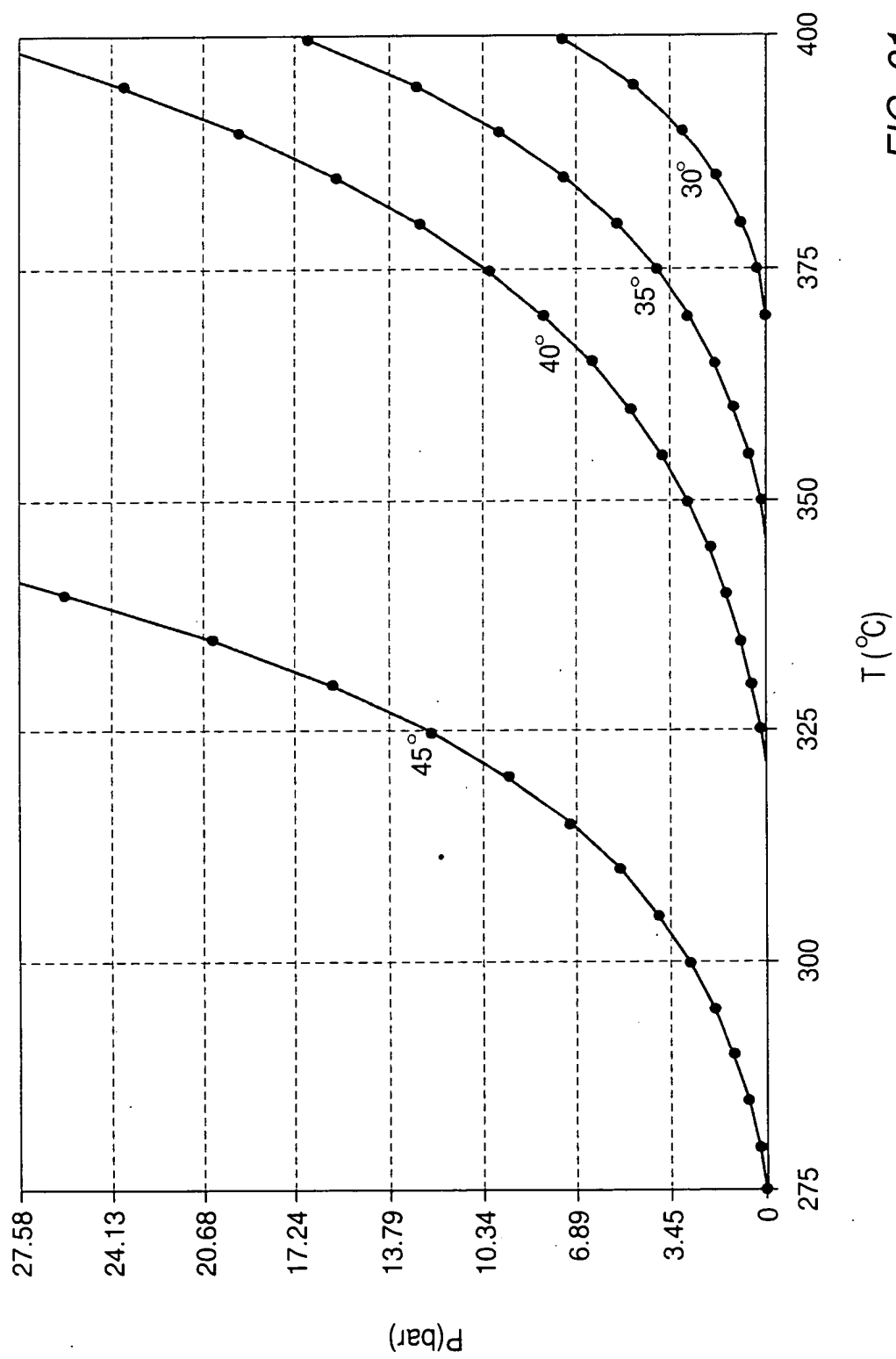


FIG. 91

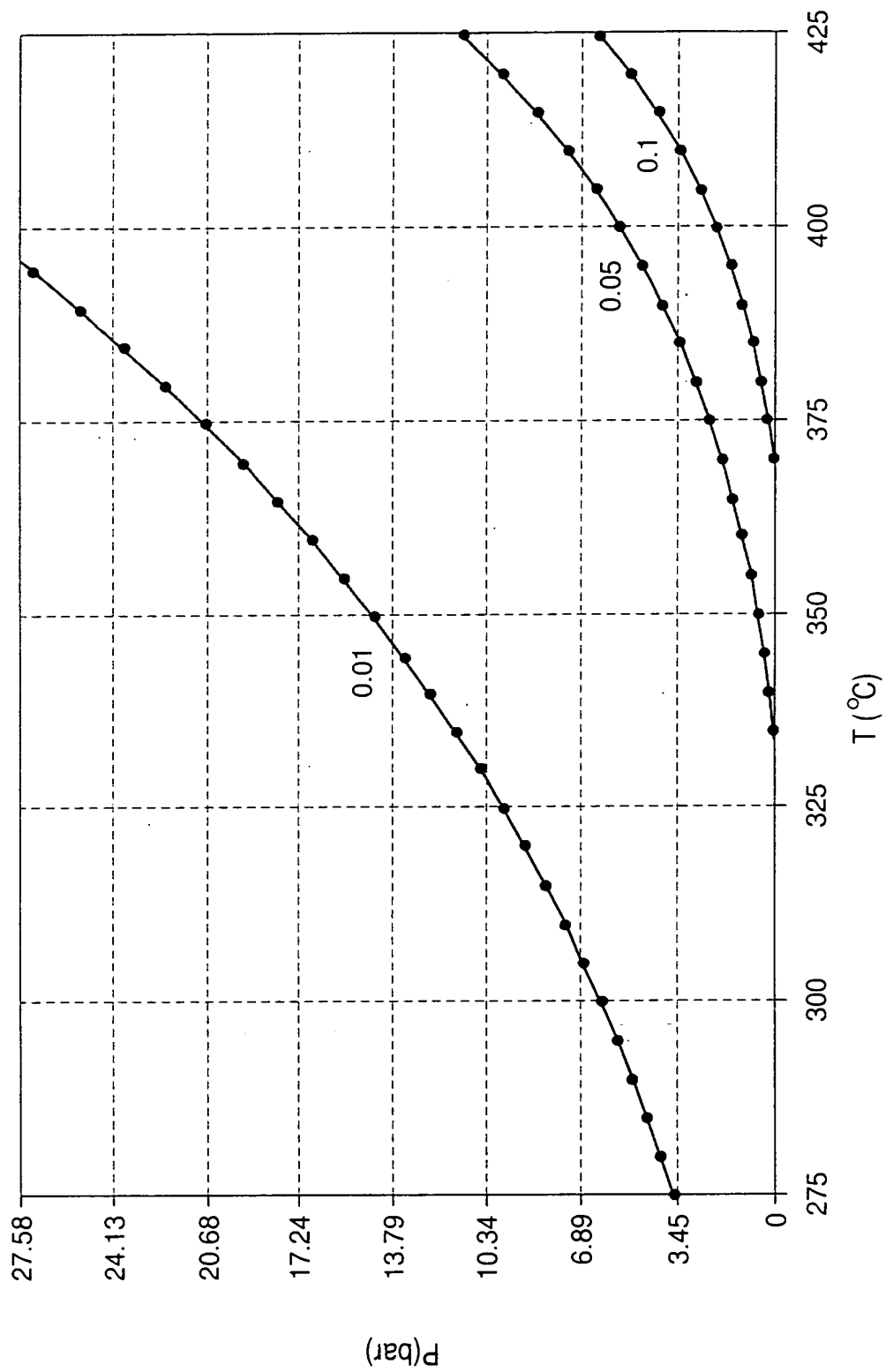


FIG. 92

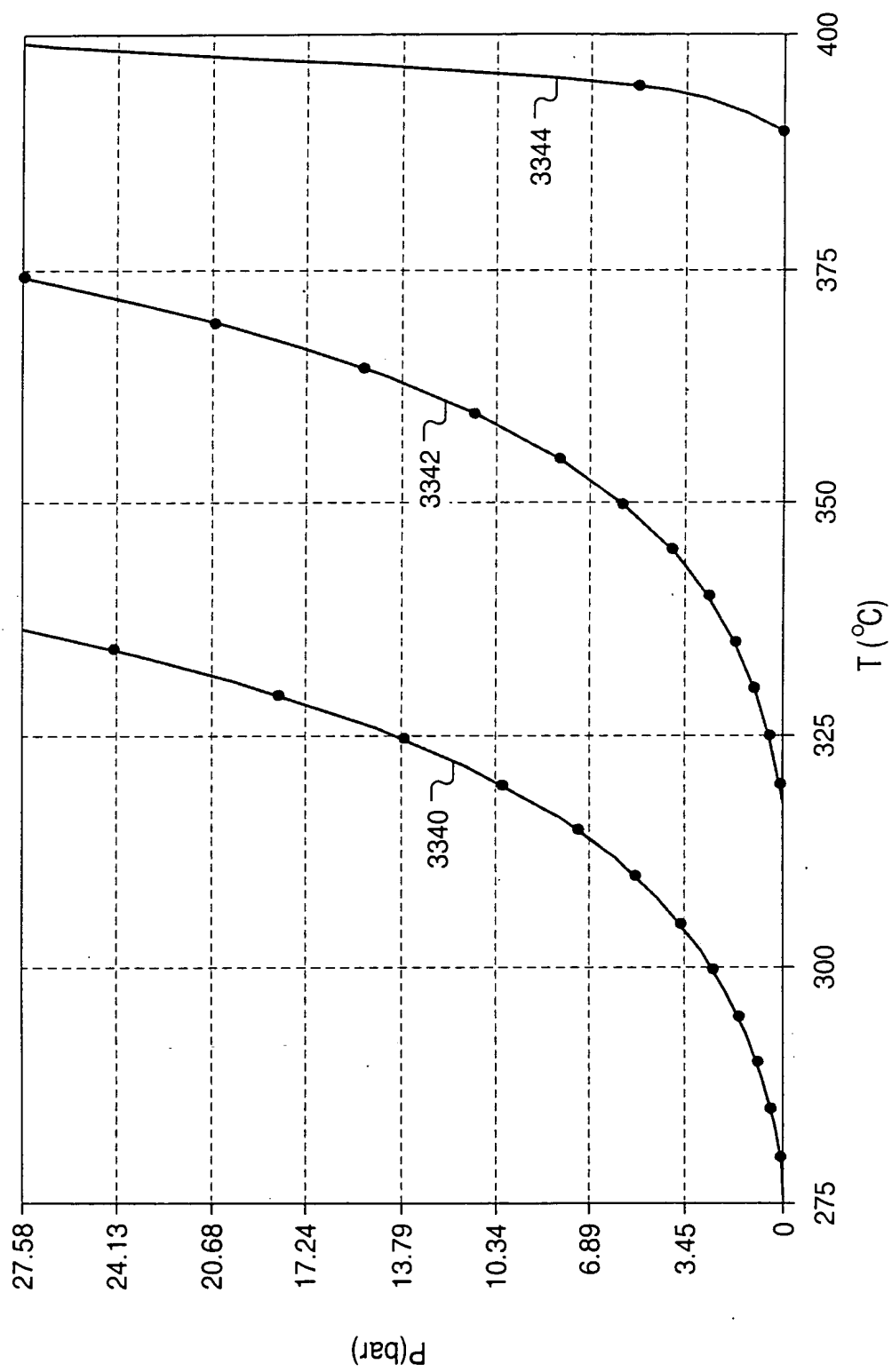


FIG. 93



FIG. 94

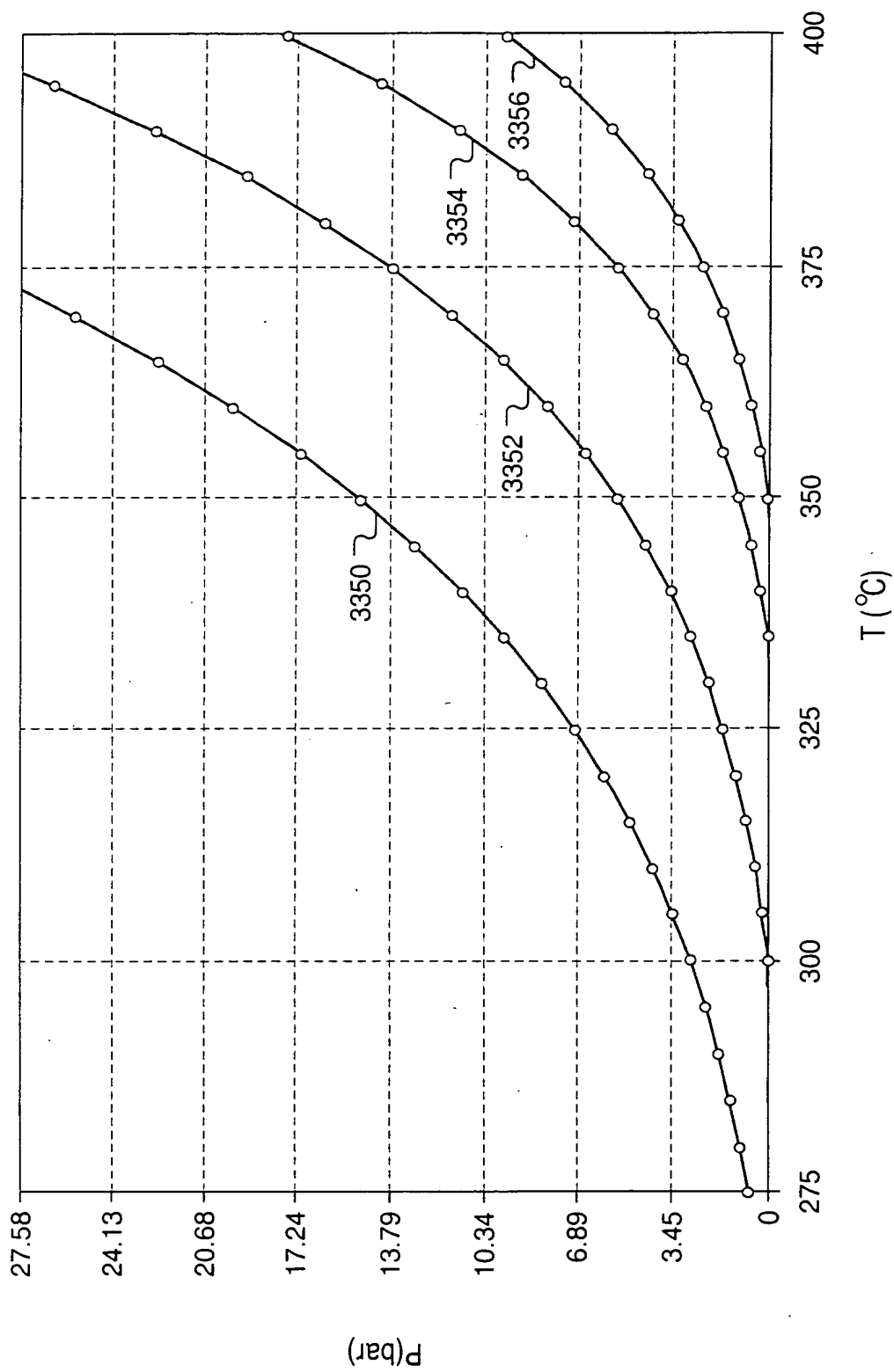


FIG. 94

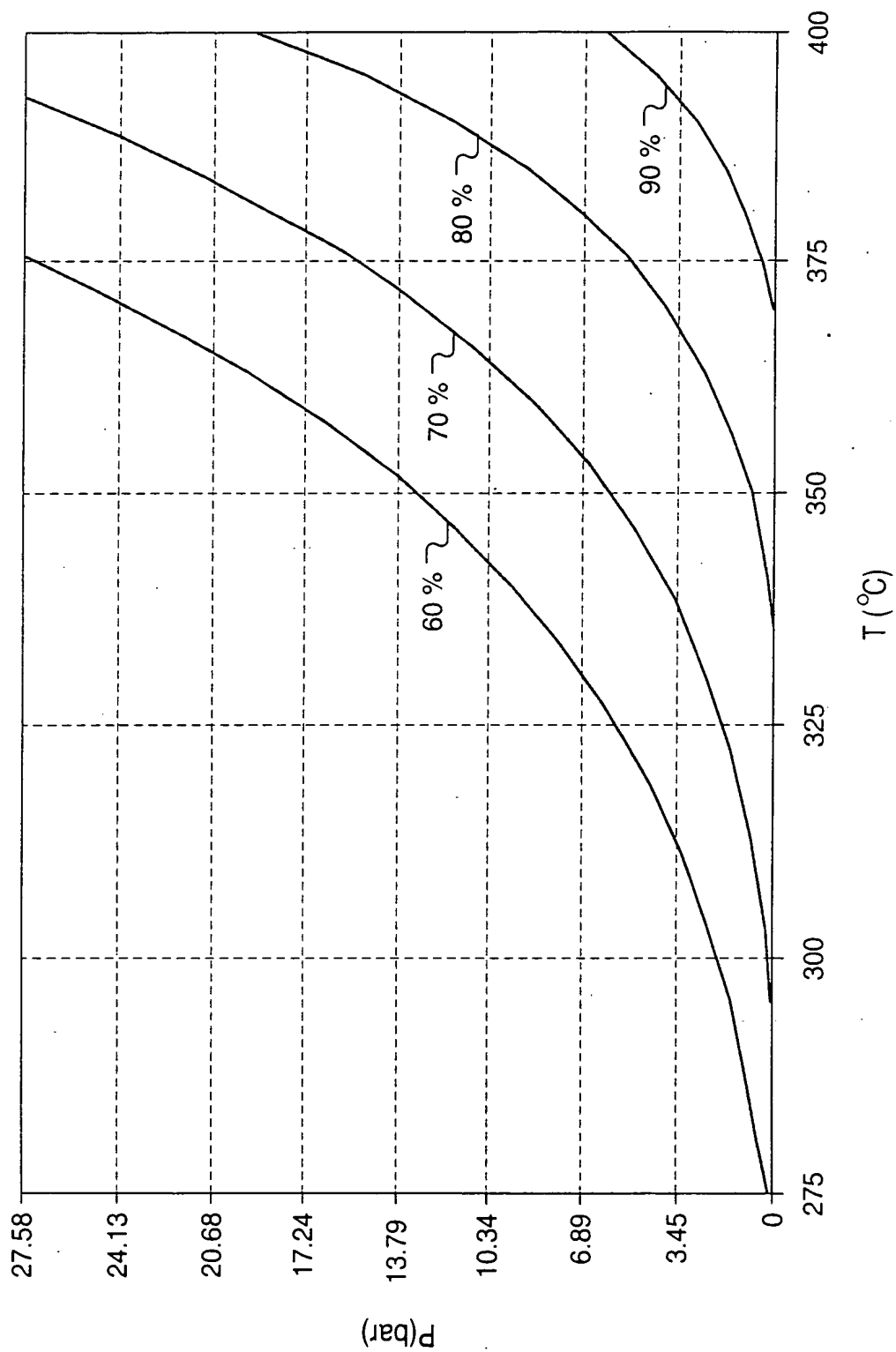


FIG. 95

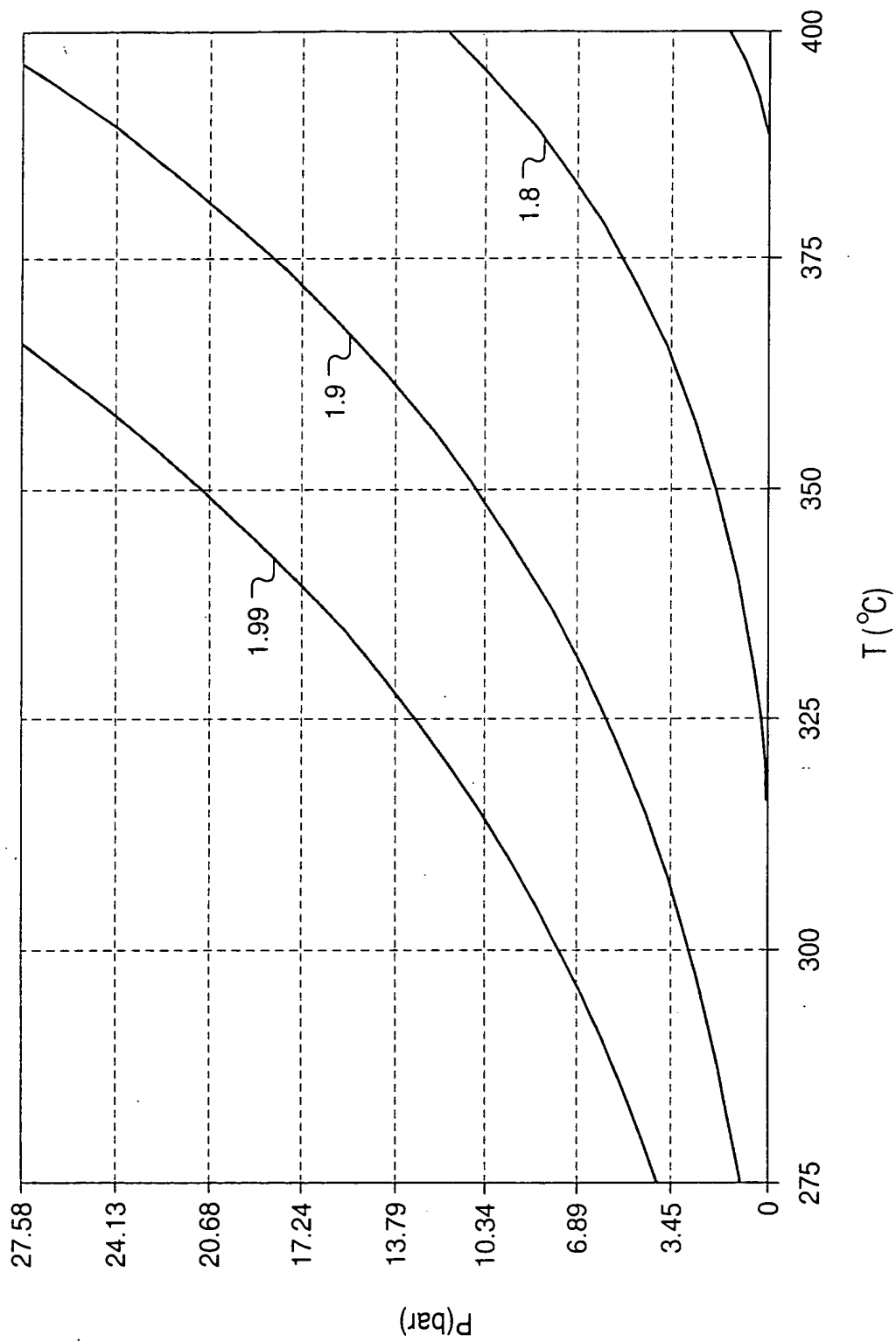


FIG. 96

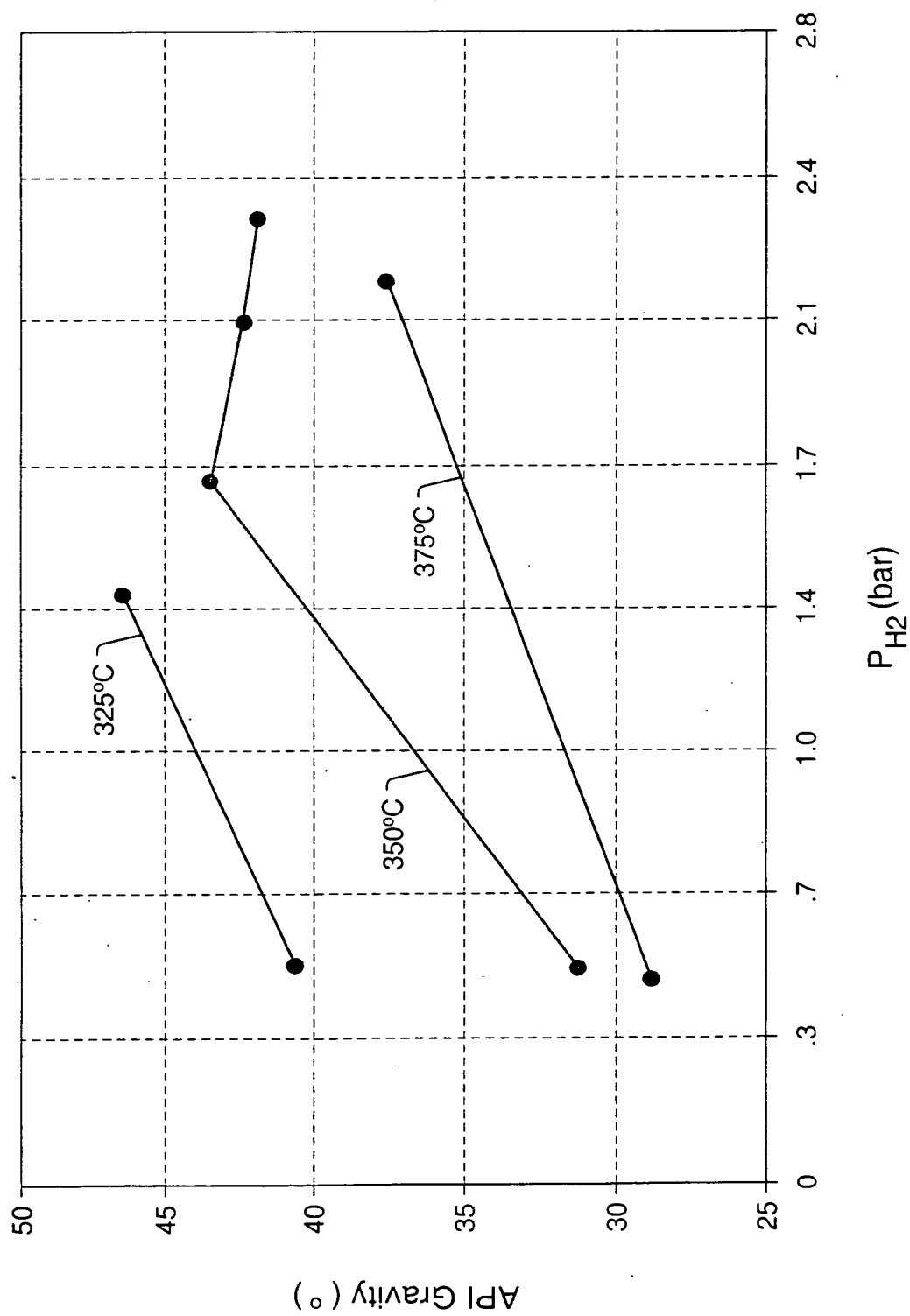


FIG. 98

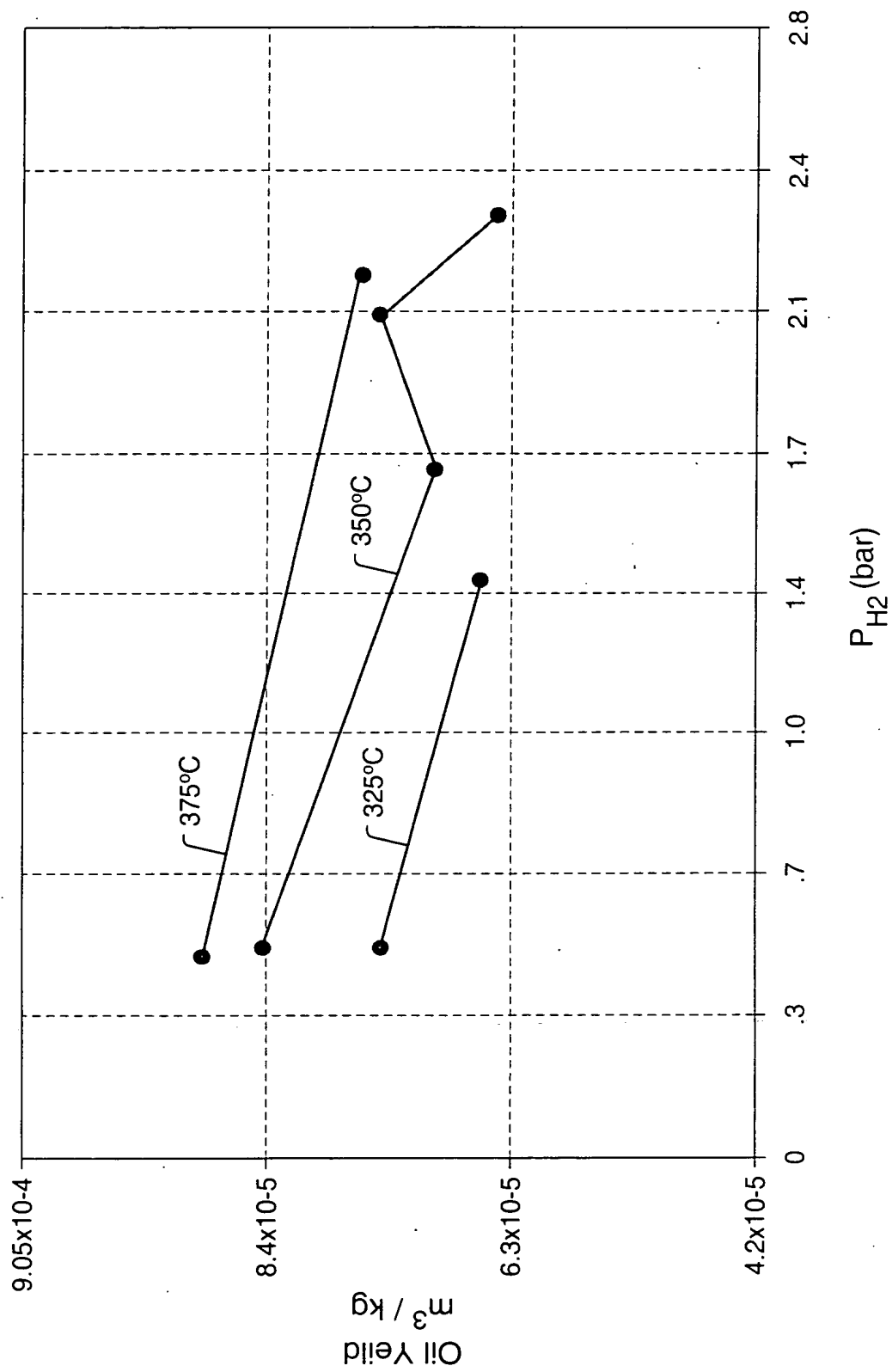


FIG. 99

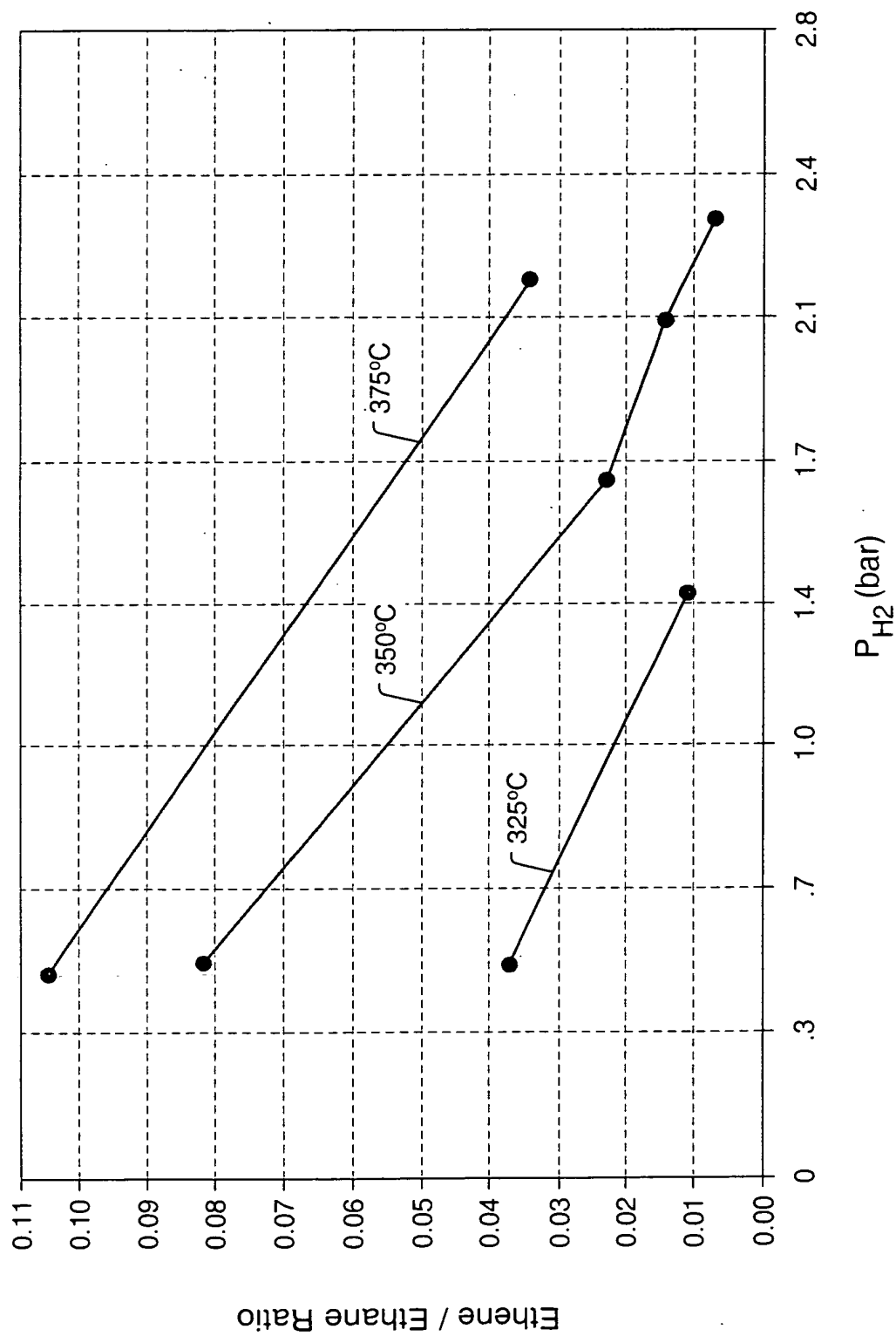


FIG. 100

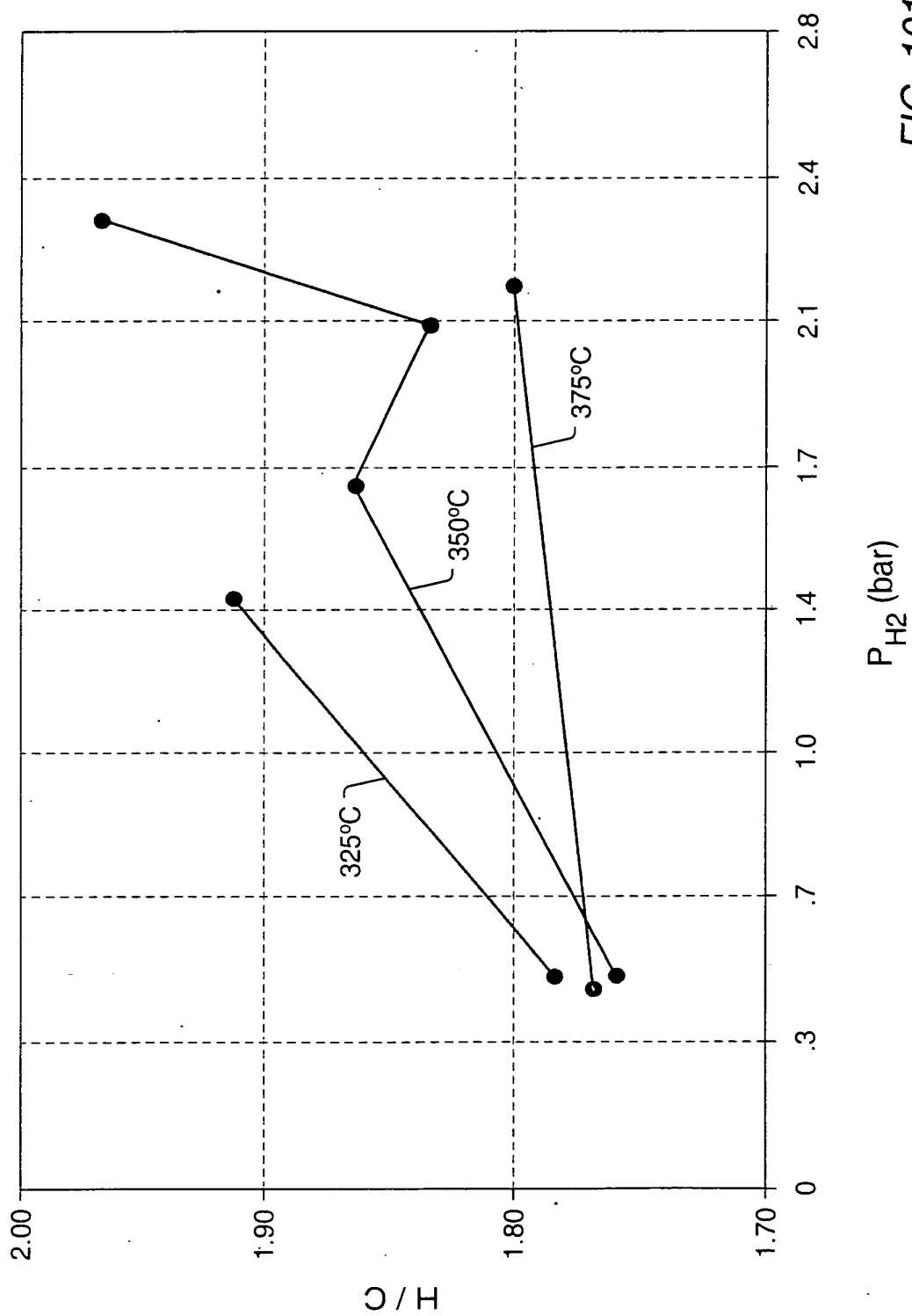


FIG. 101

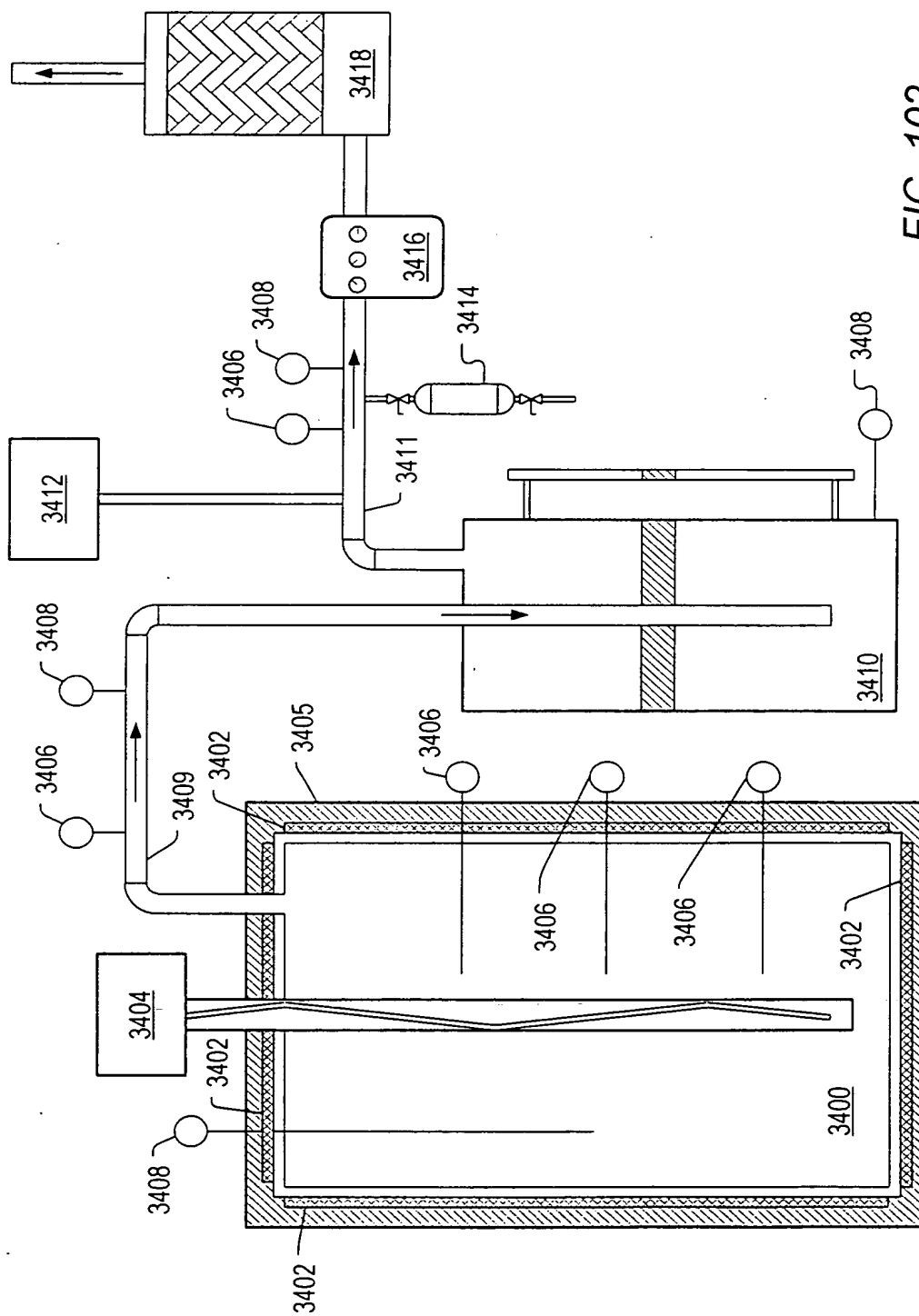


FIG. 102



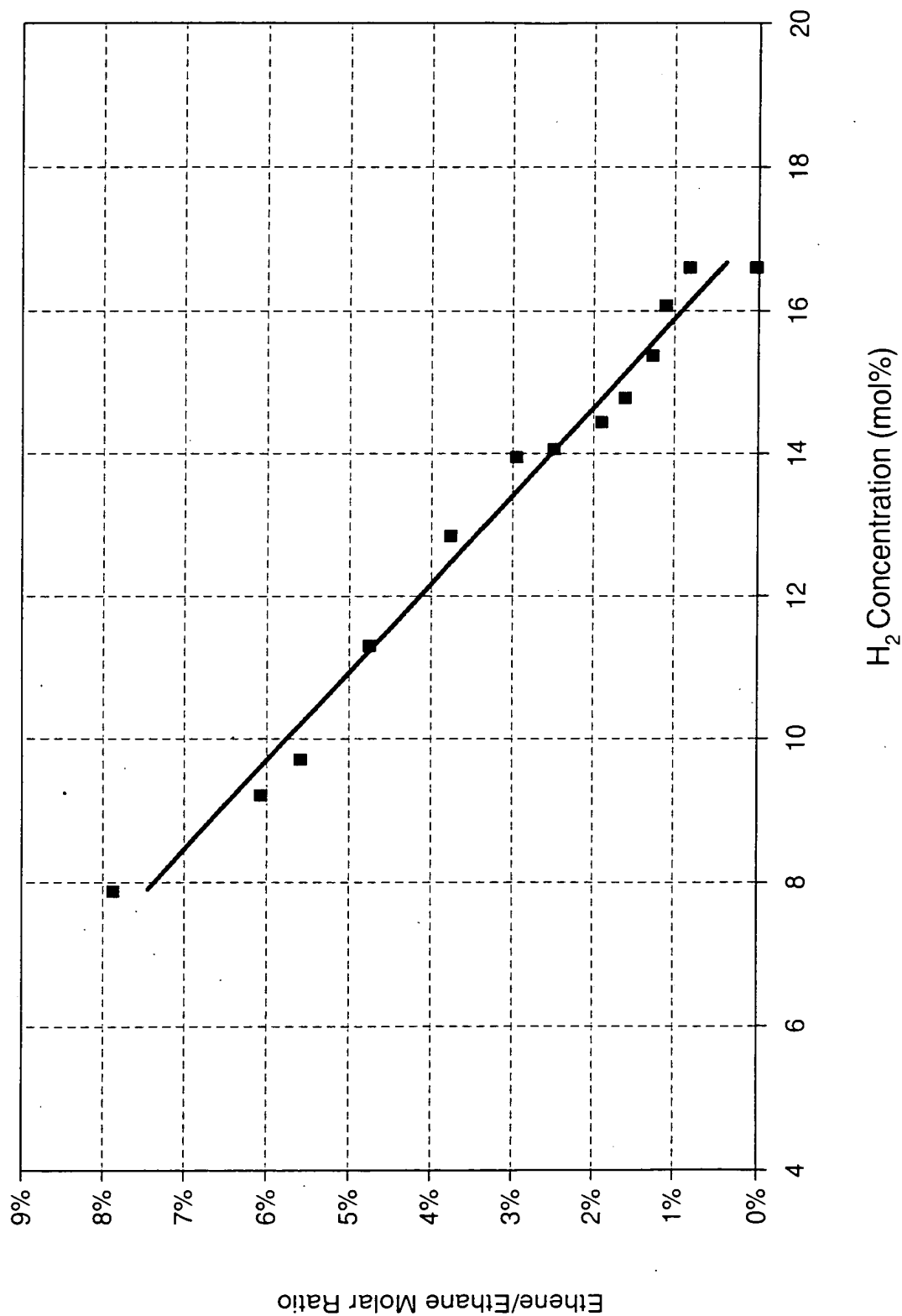


FIG. 103



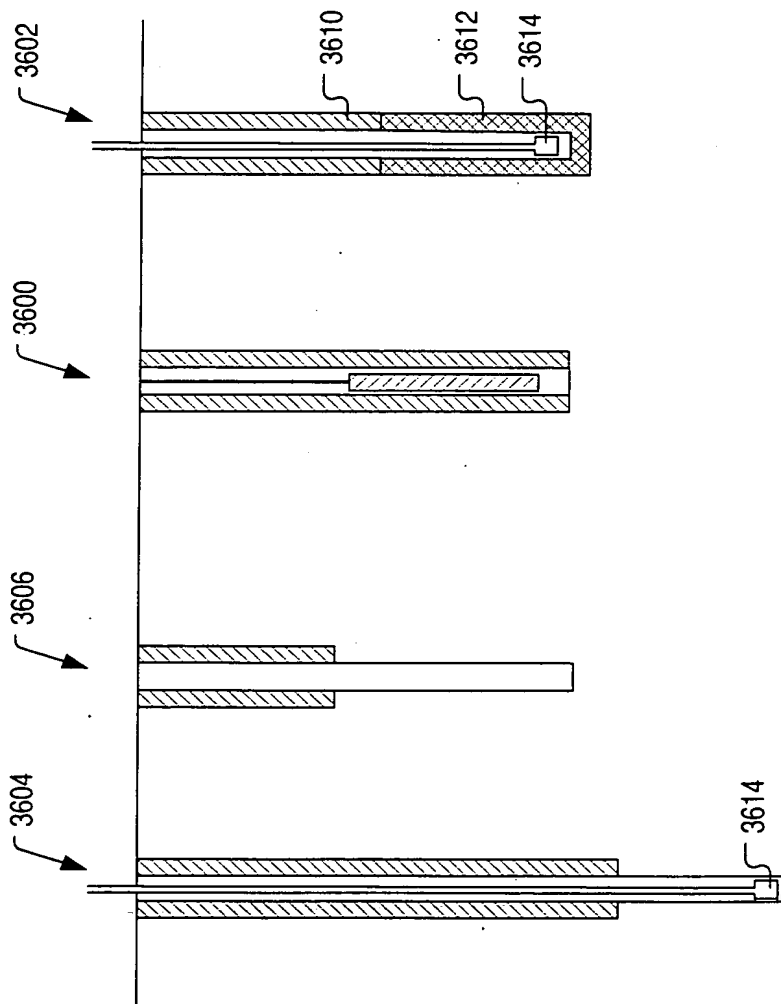


FIG. 105

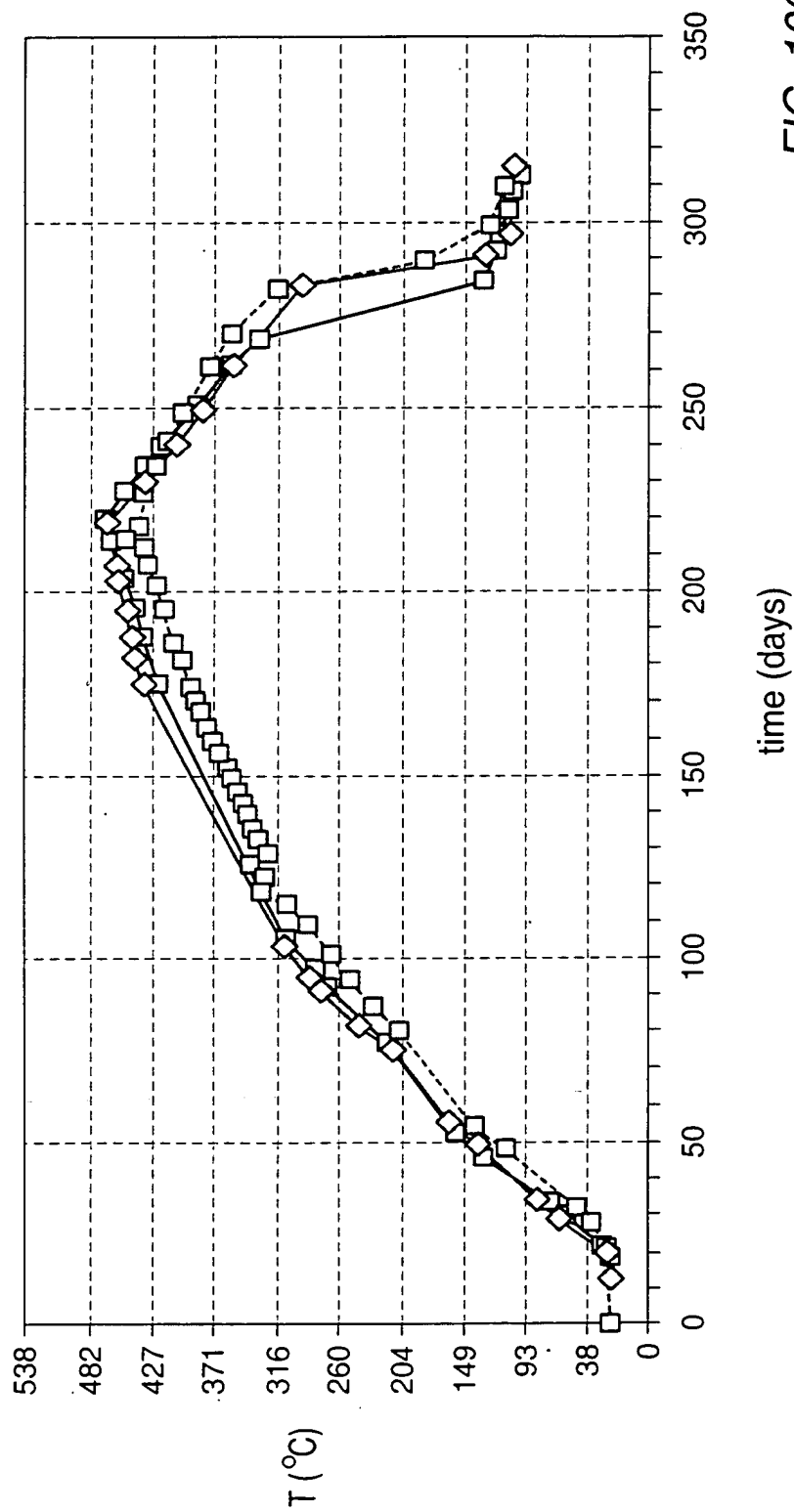


FIG. 106

total offset

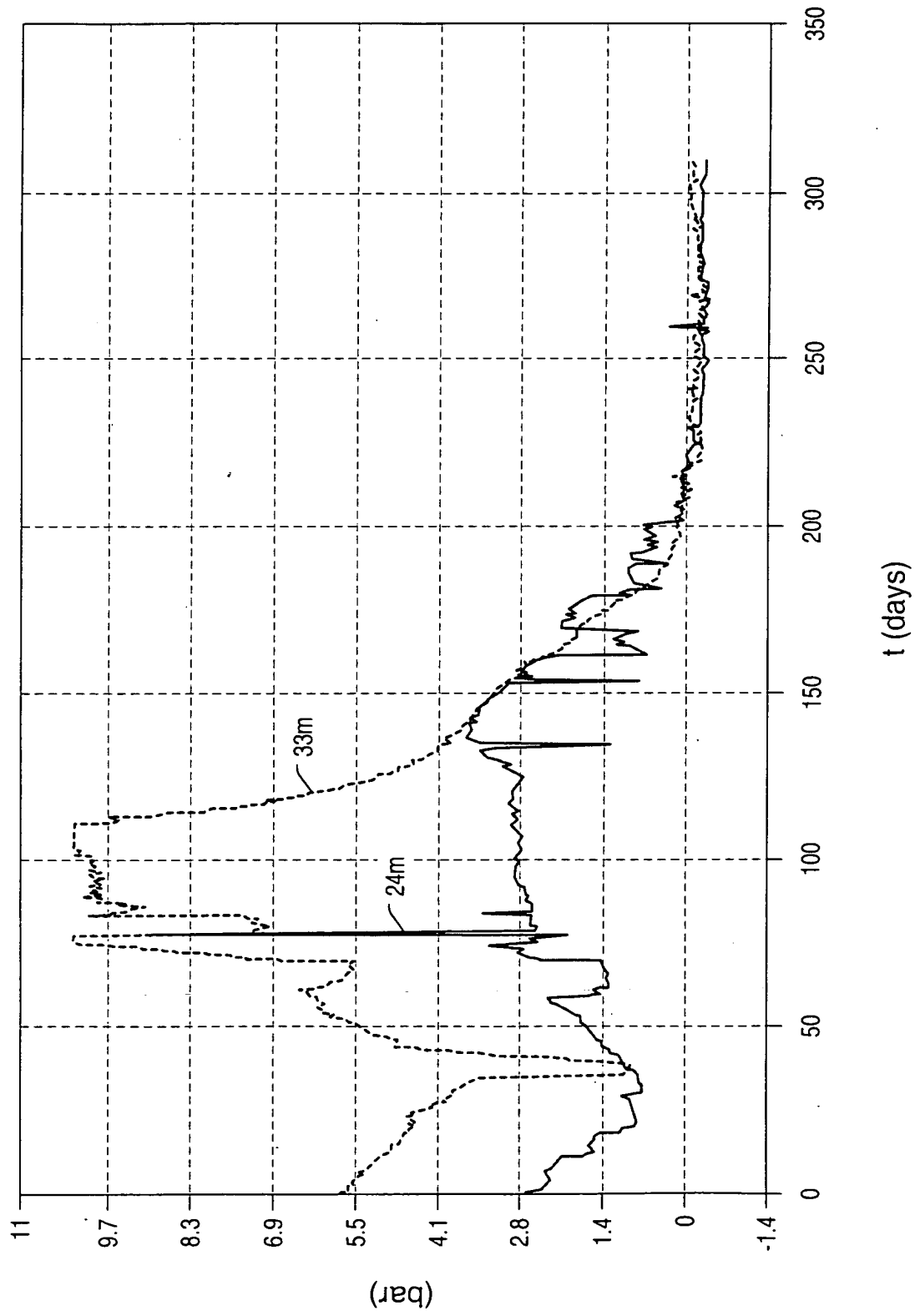


FIG. 107

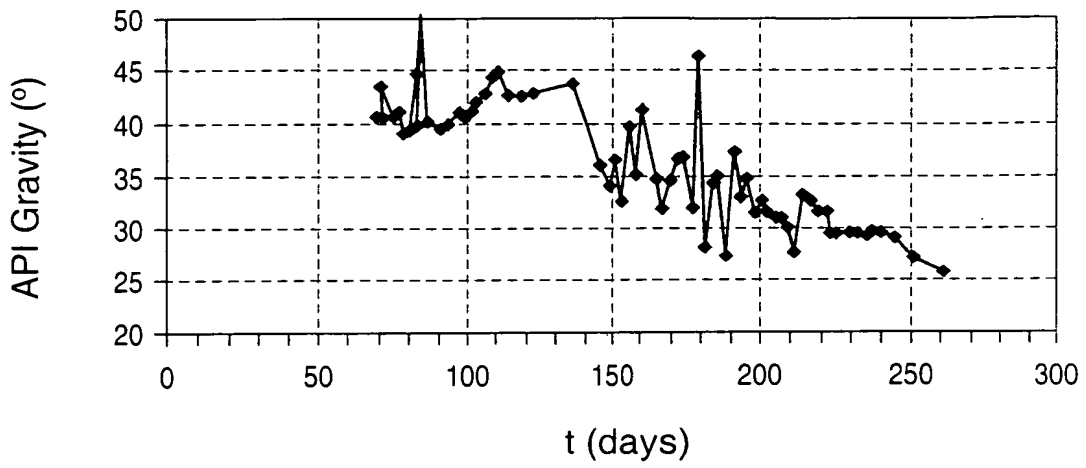


FIG. 108

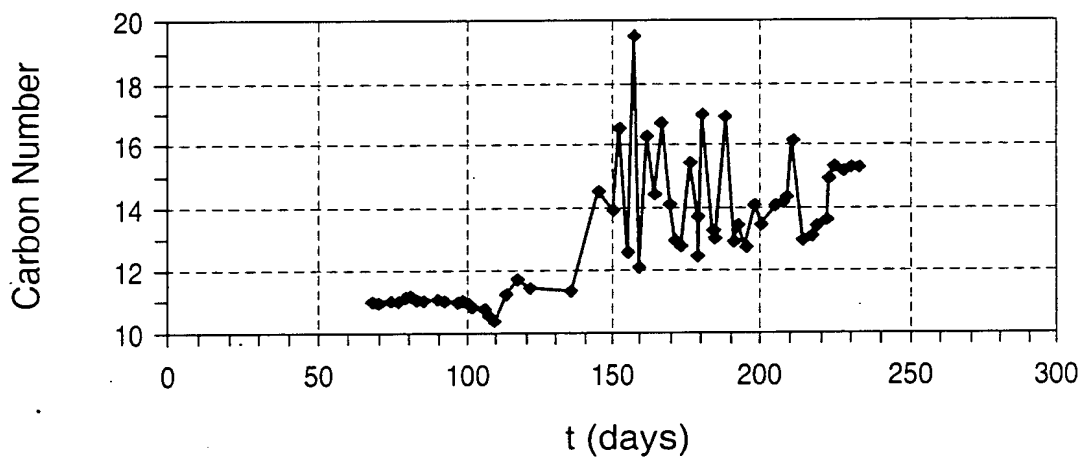


FIG. 109

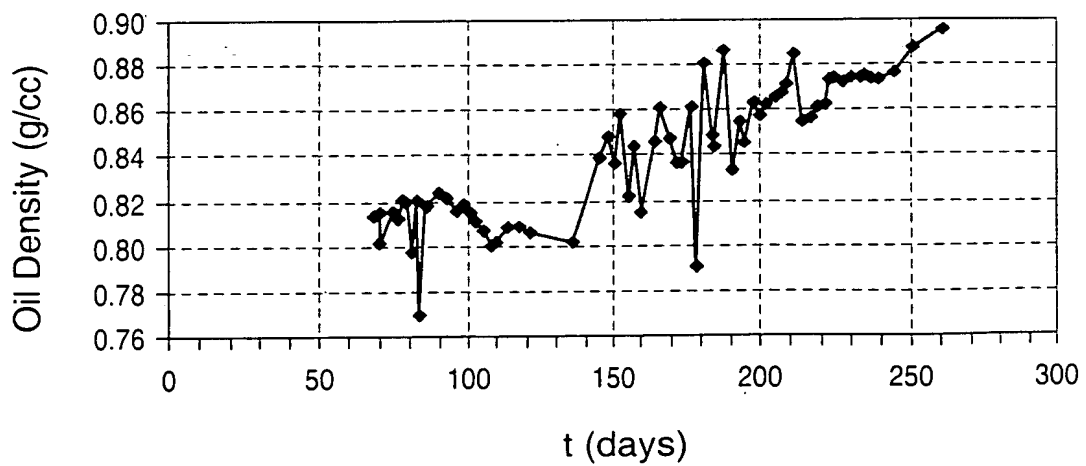


FIG. 110

117 Books of Roman Catholic authors

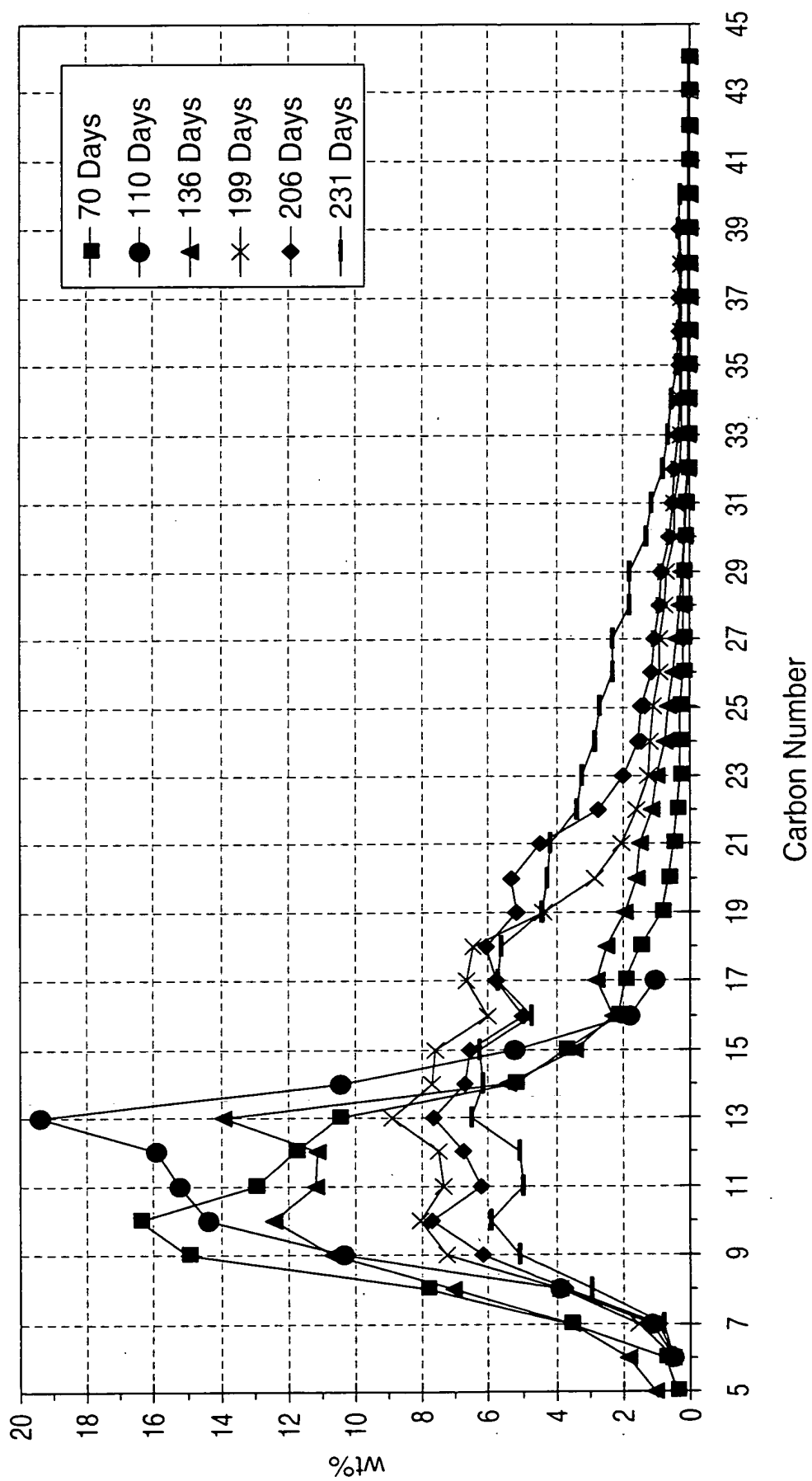


FIG. 111

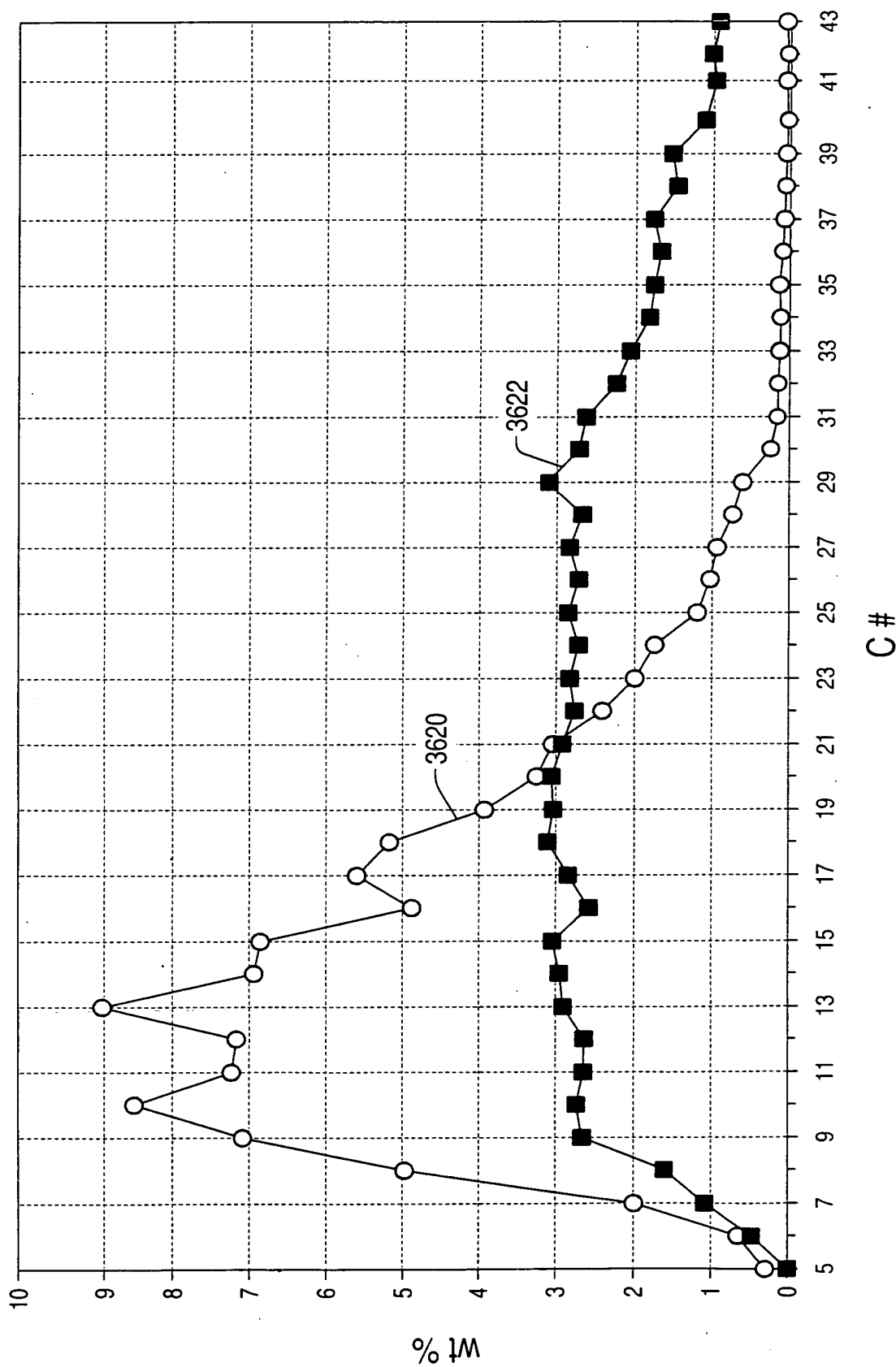


FIG. 112



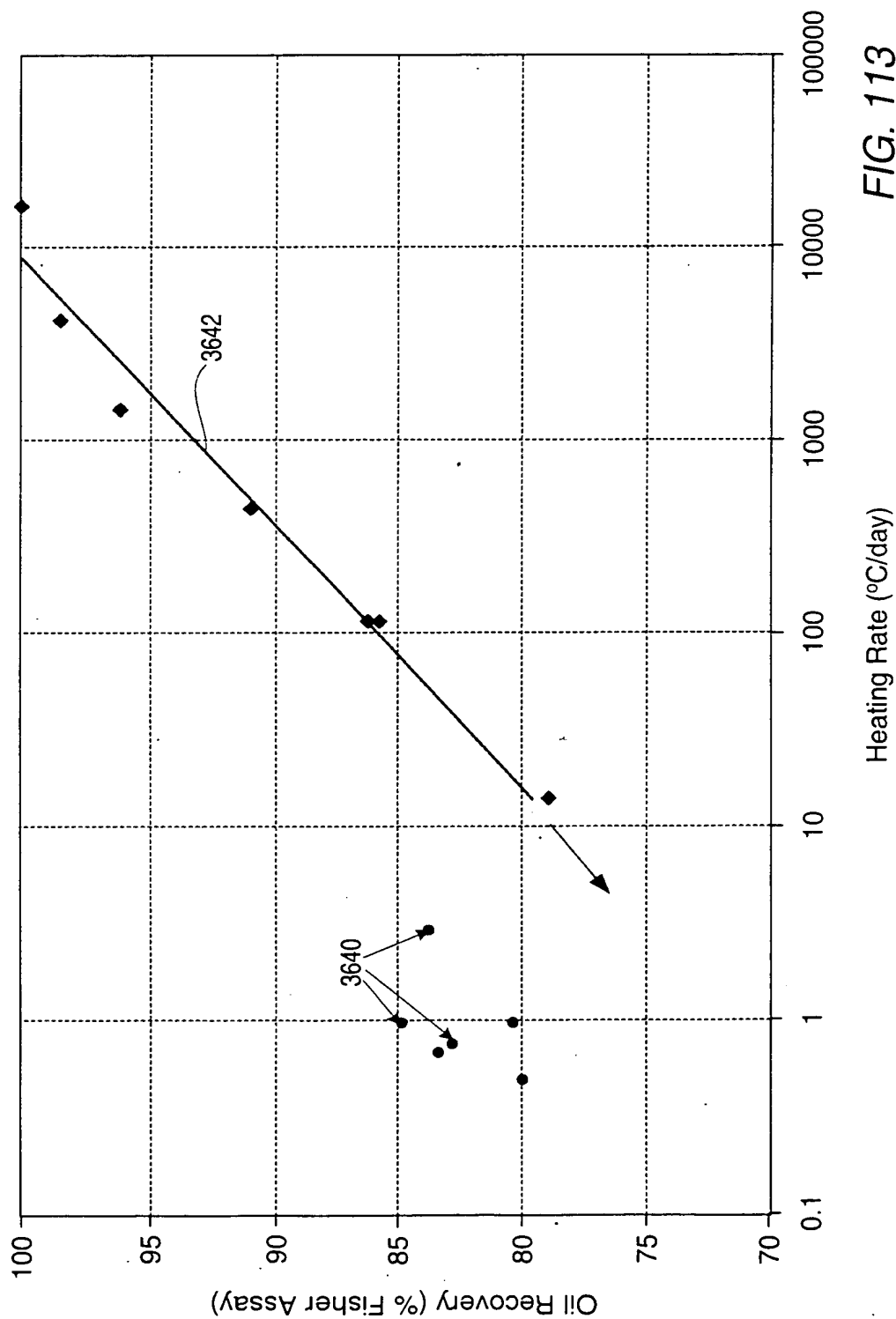


FIG. 113

FIG. 114

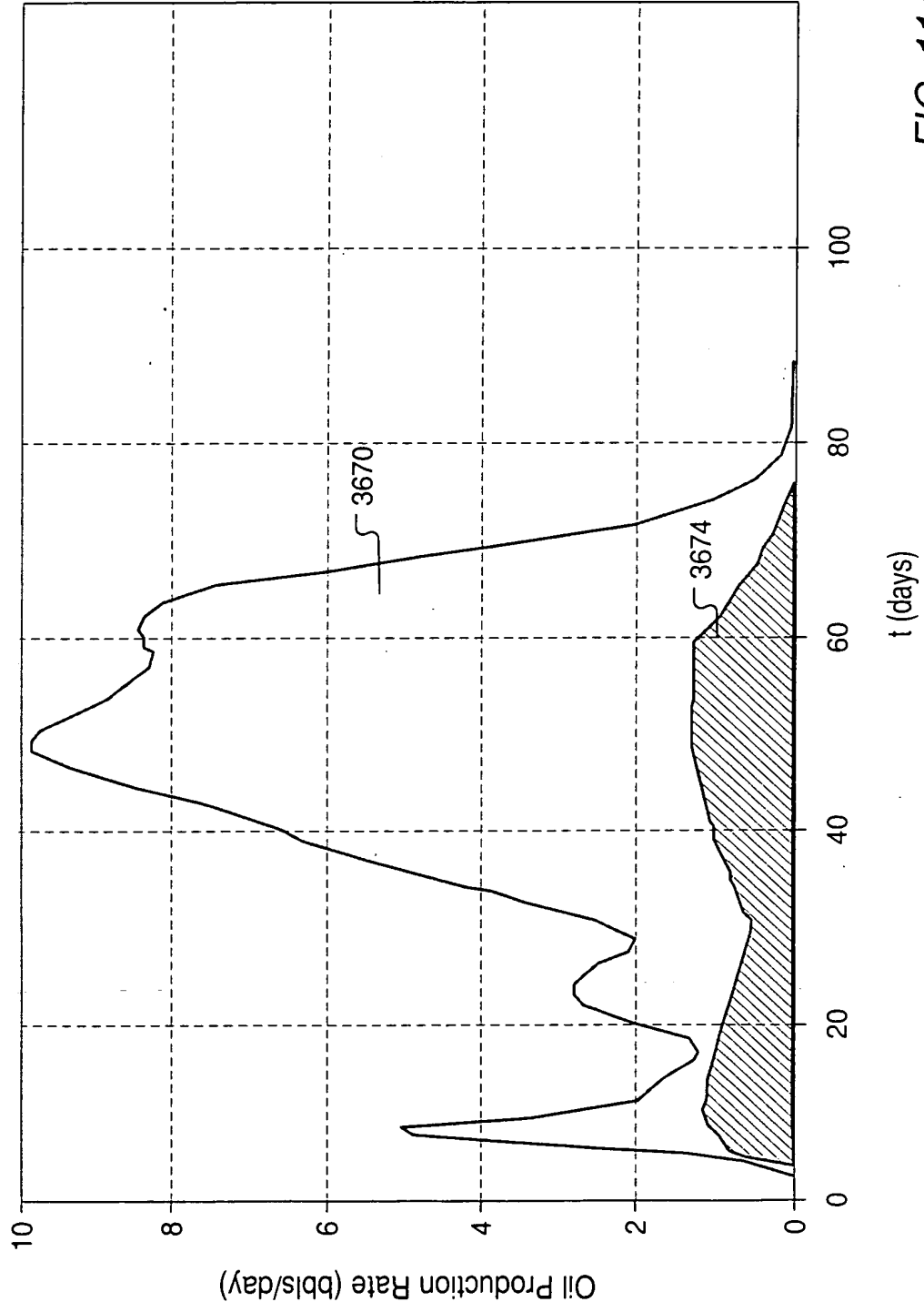


FIG. 114

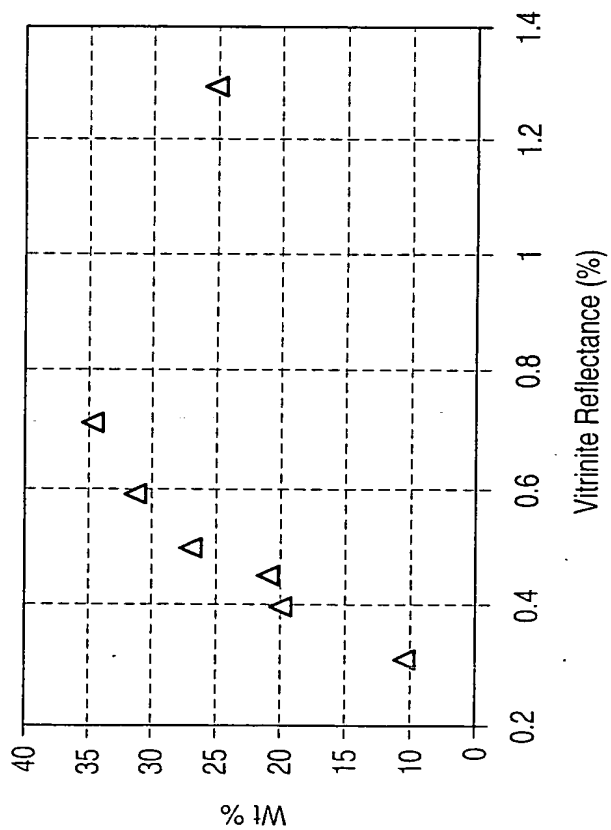


FIG. 115

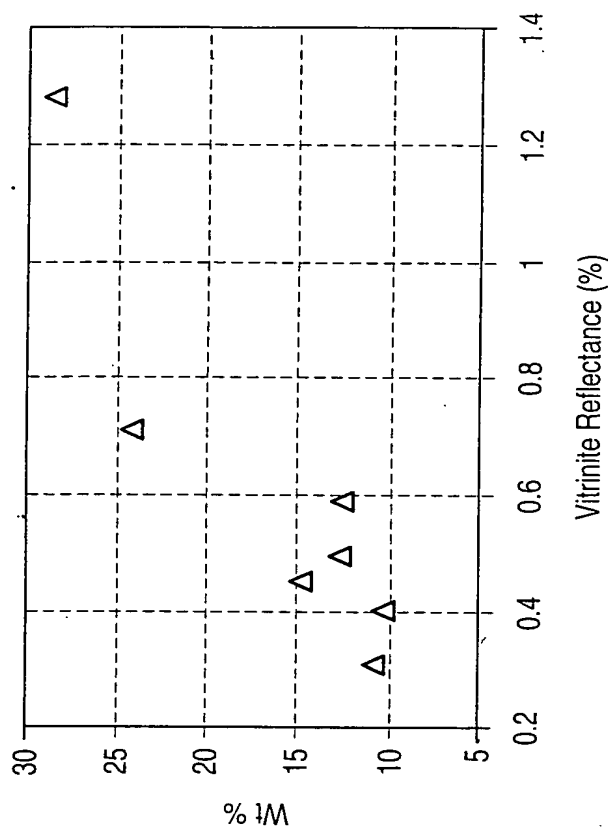


FIG. 116

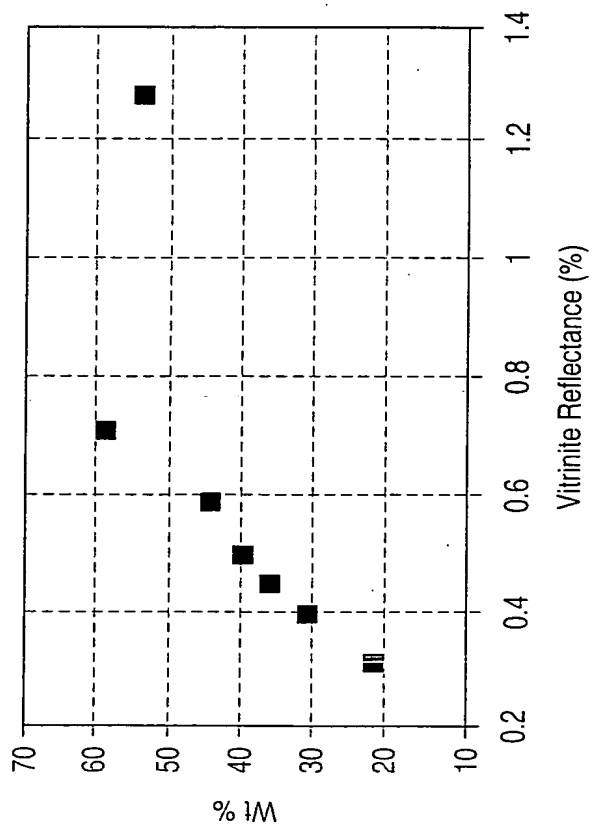


FIG. 117

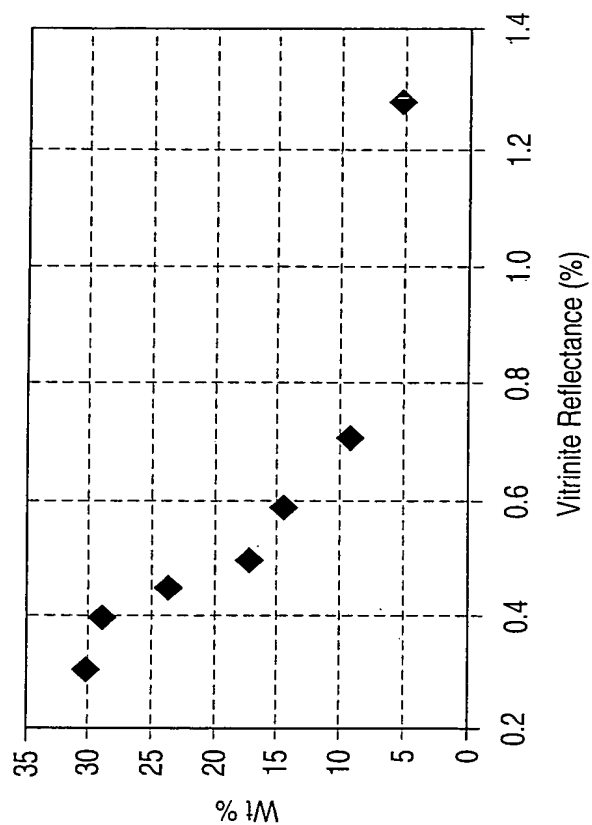


FIG. 118

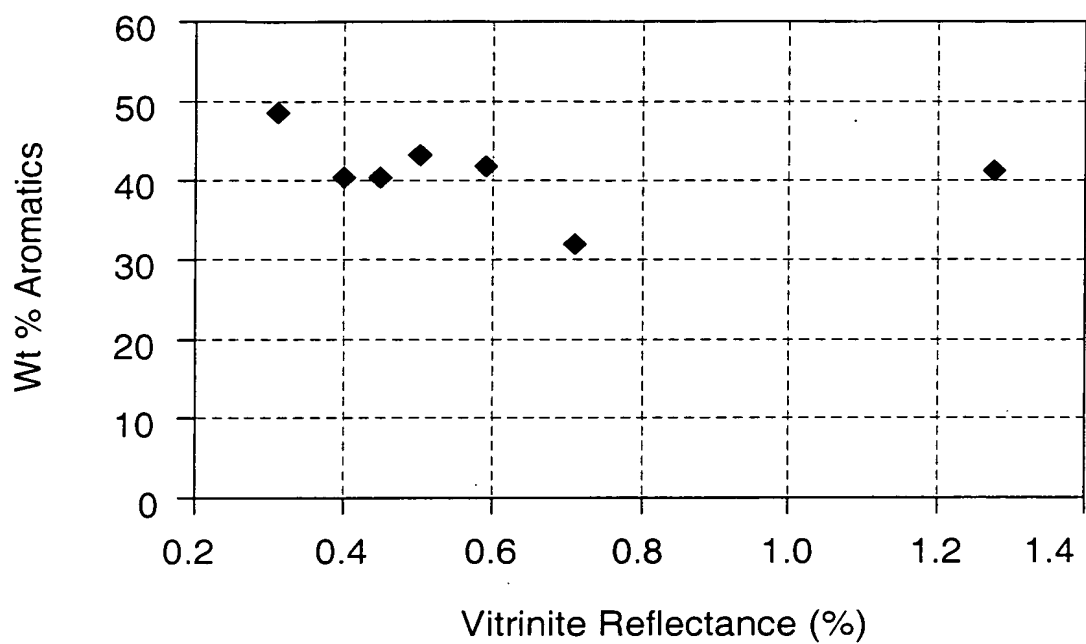


FIG. 119

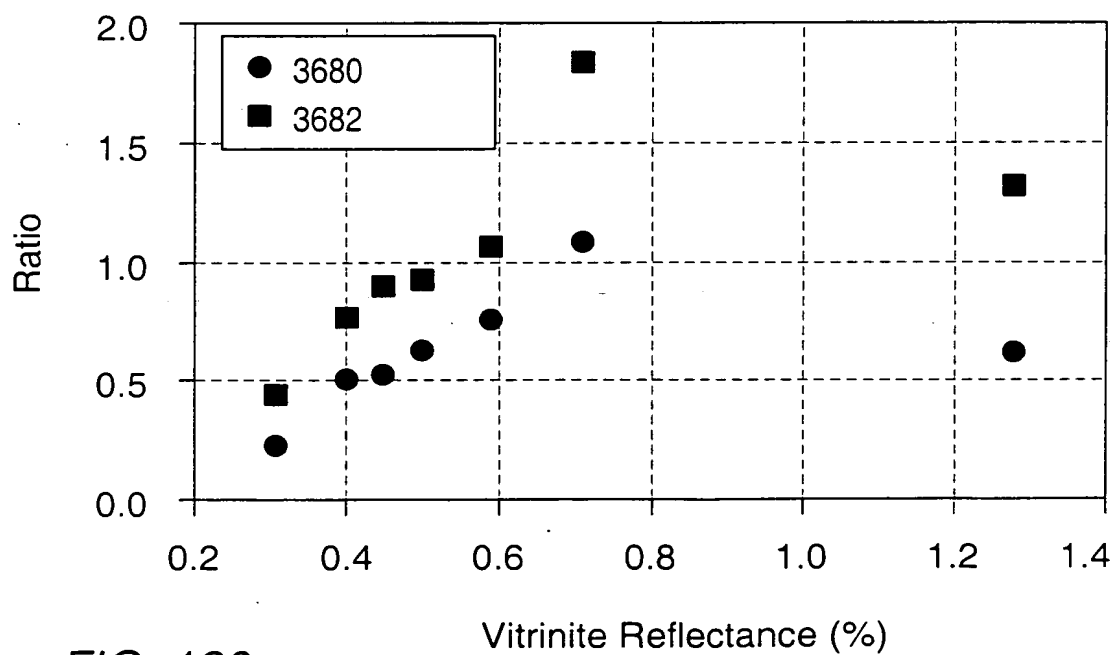
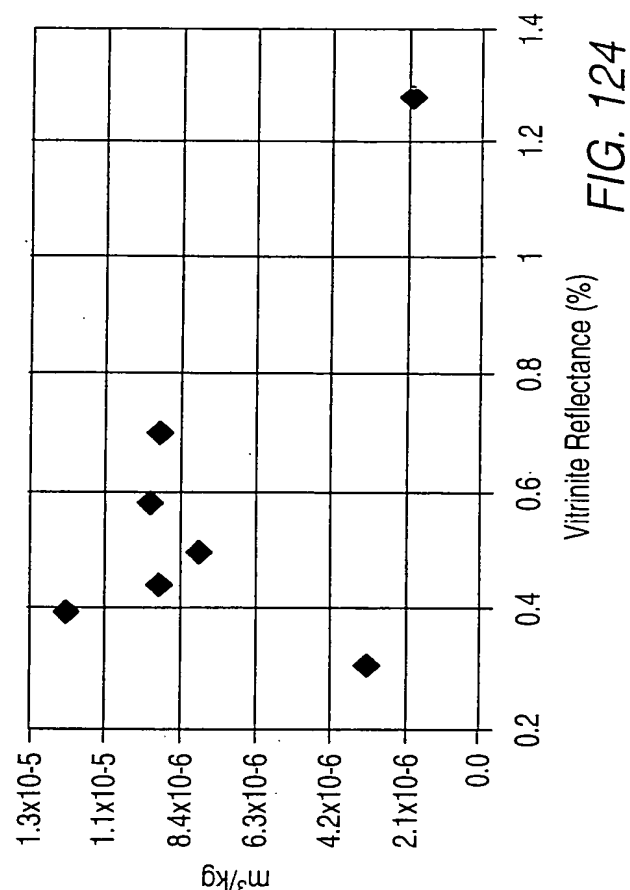
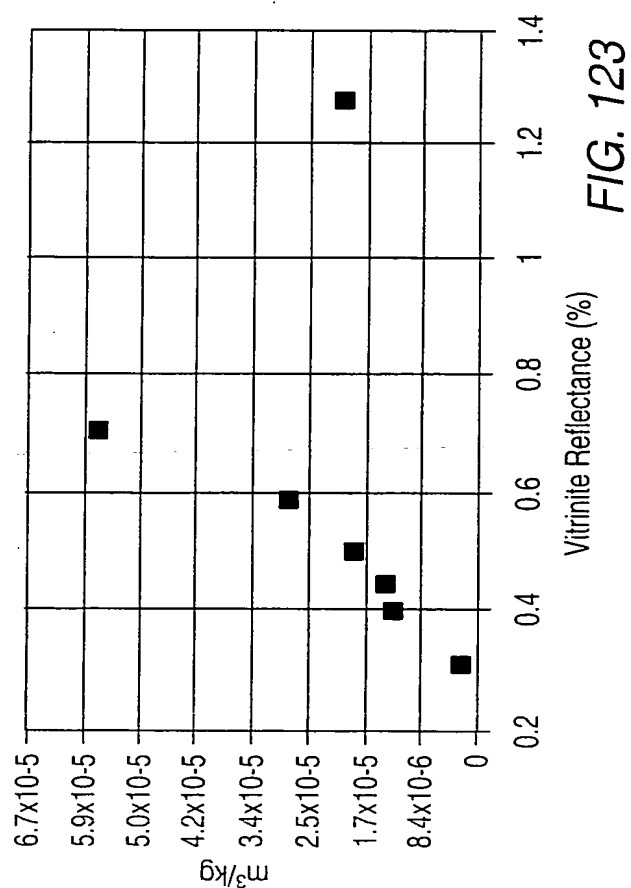
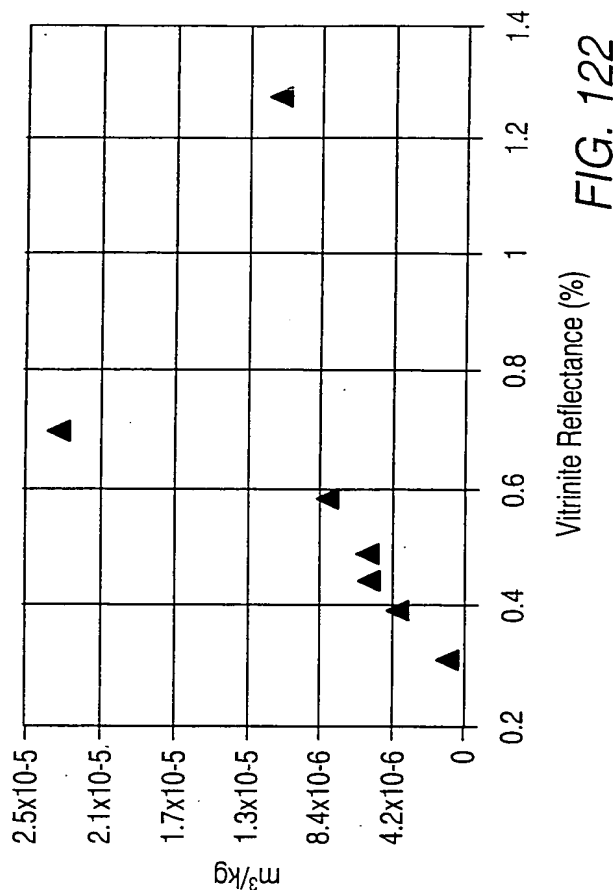
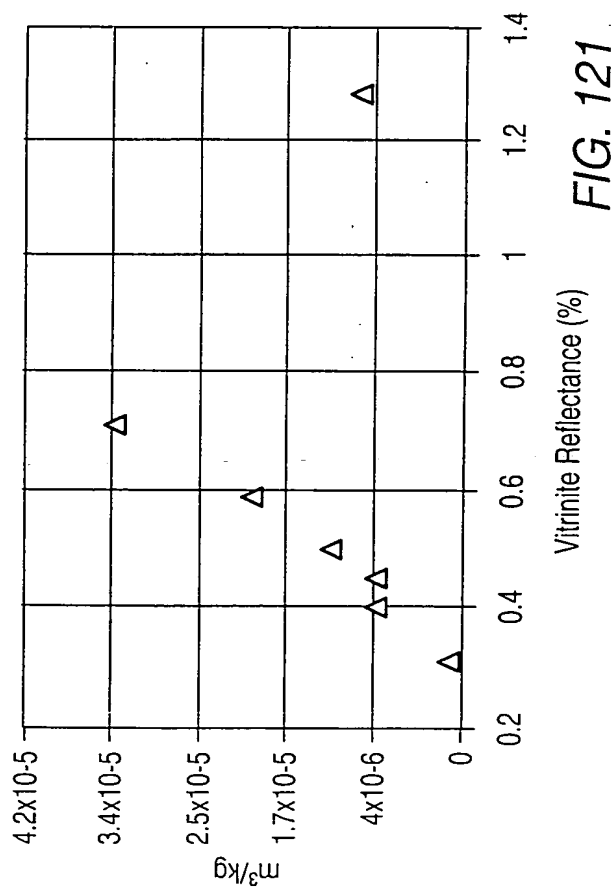


FIG. 120



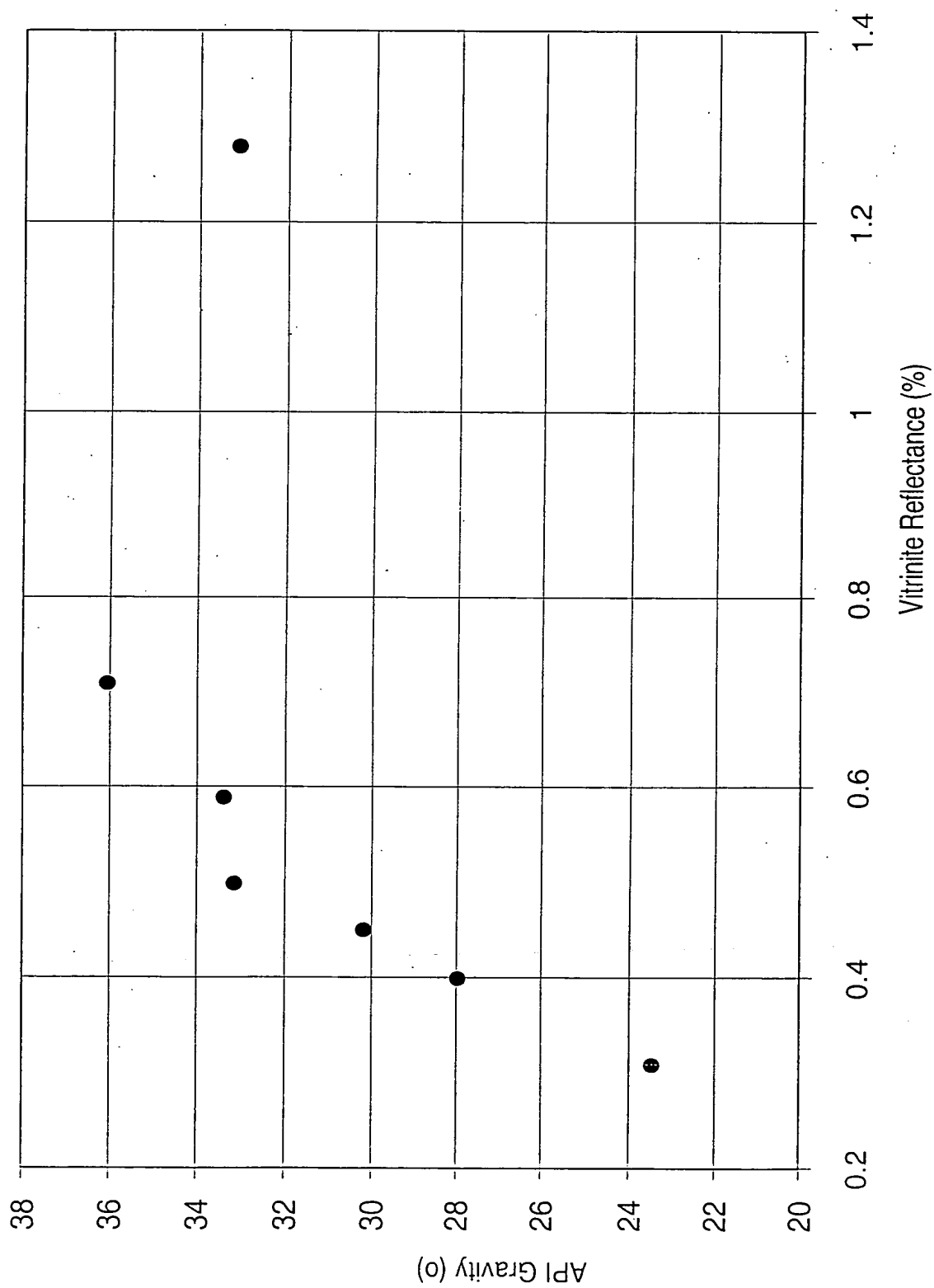
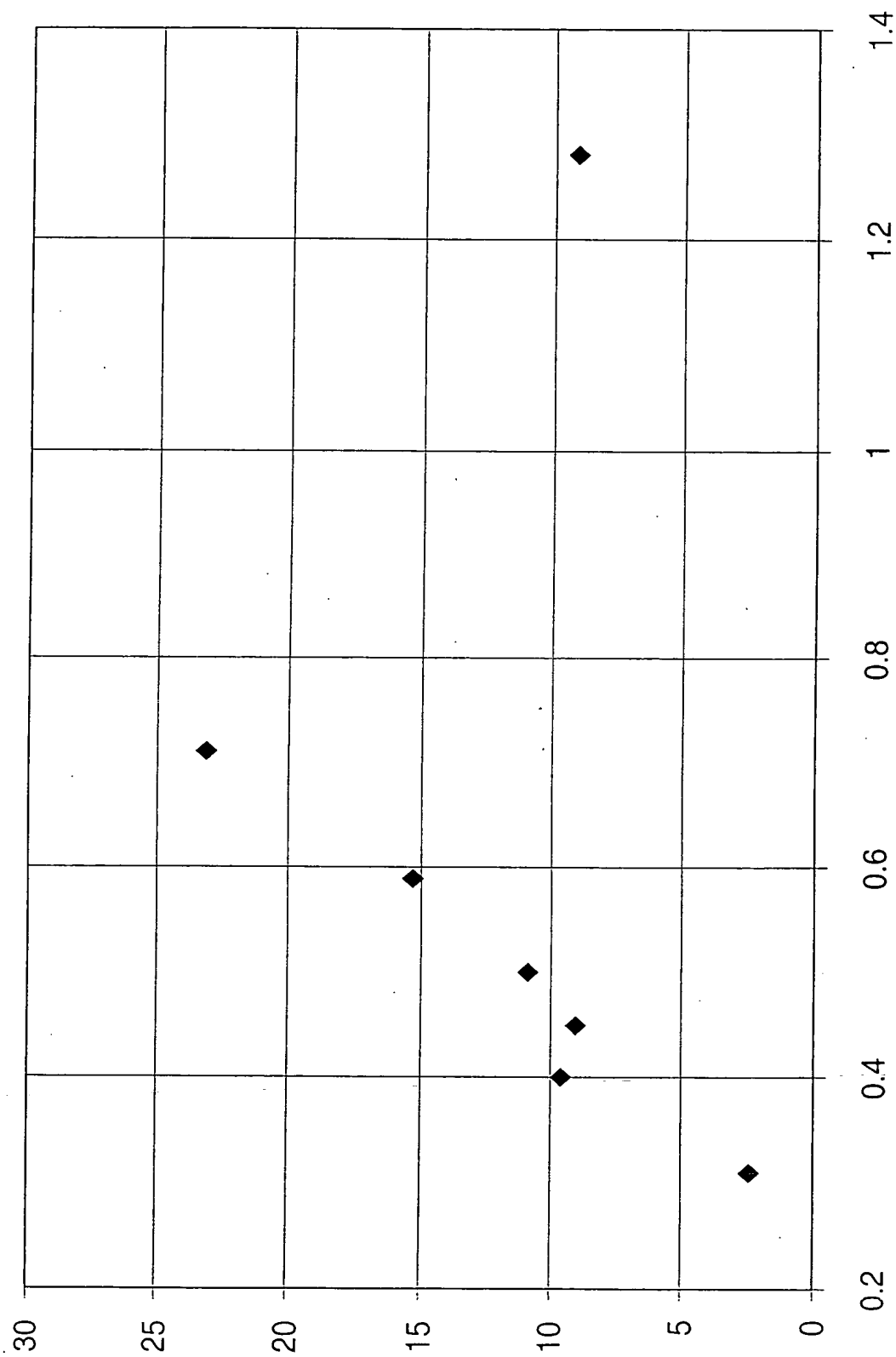


FIG. 125

Oil Yield (gal/ton, dat coal)



Vitrinite Reflectance (%)

FIG. 126

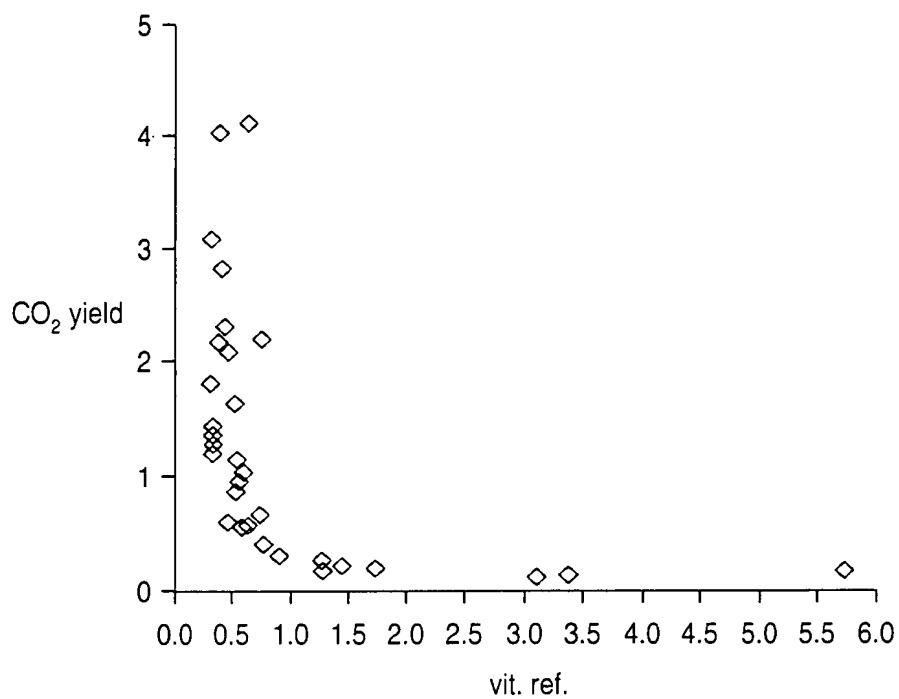


FIG. 127

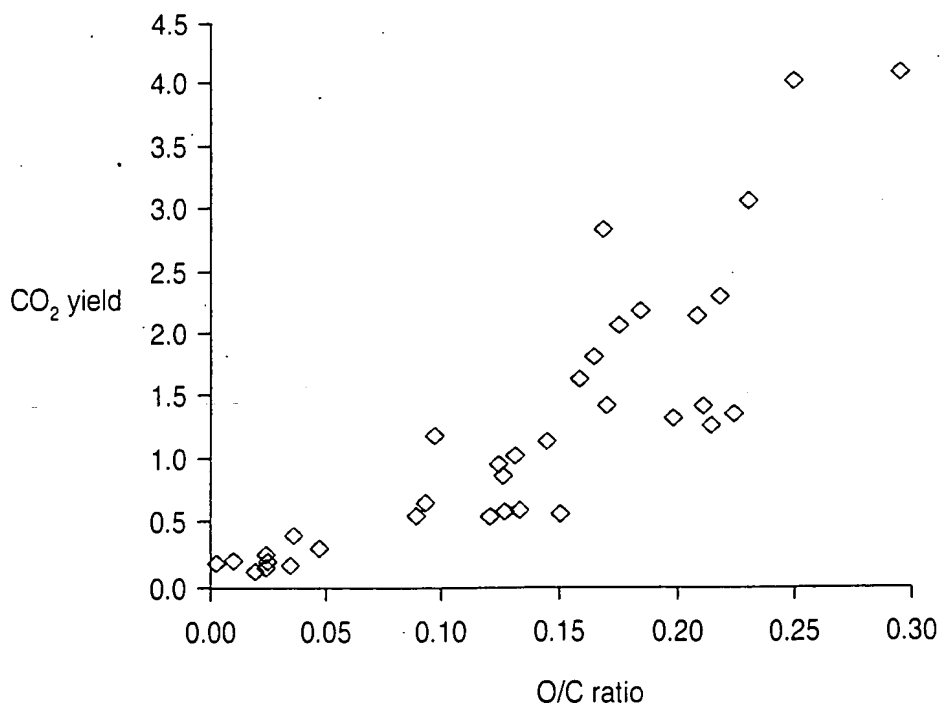


FIG. 128



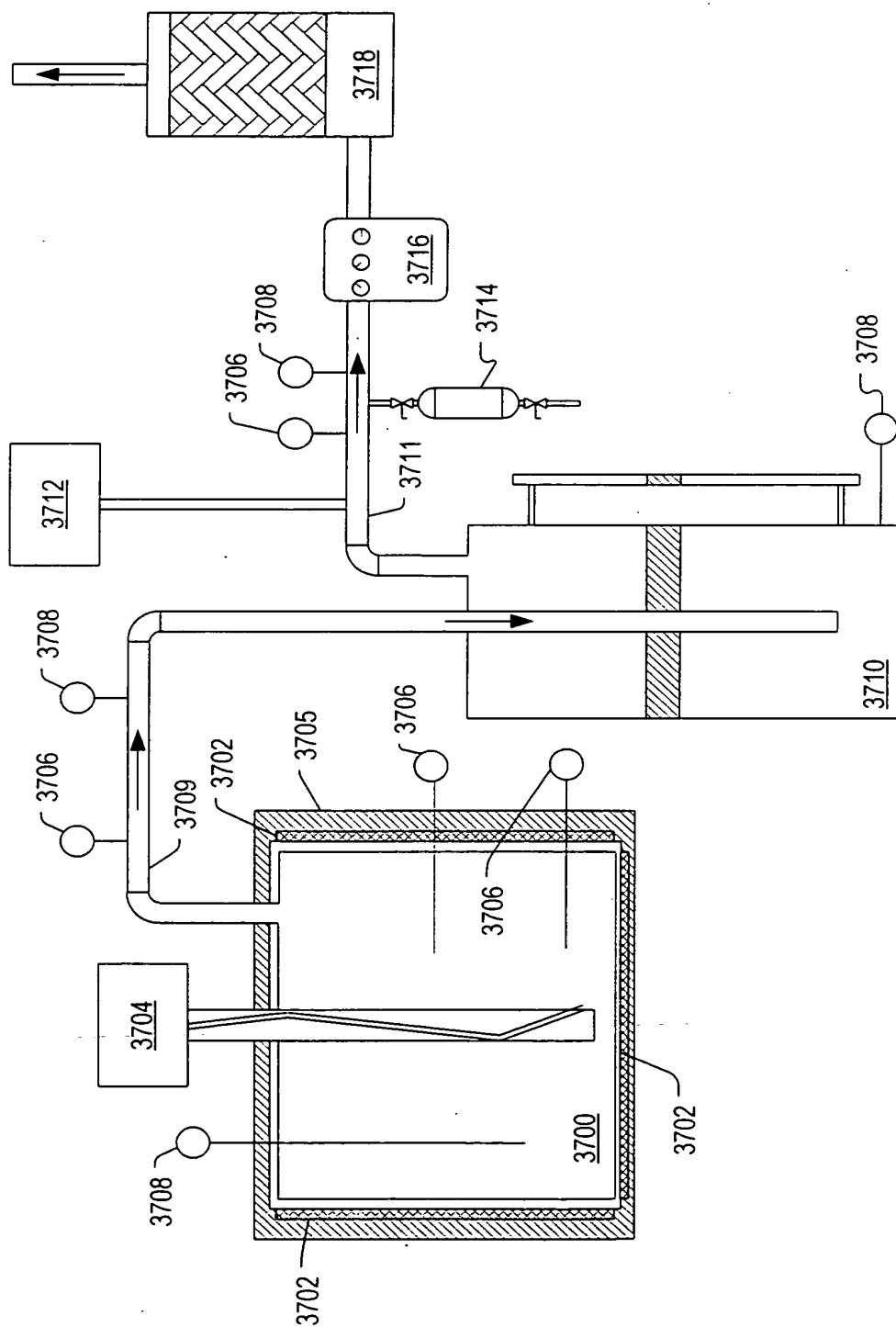


FIG. 129

FIG. 130

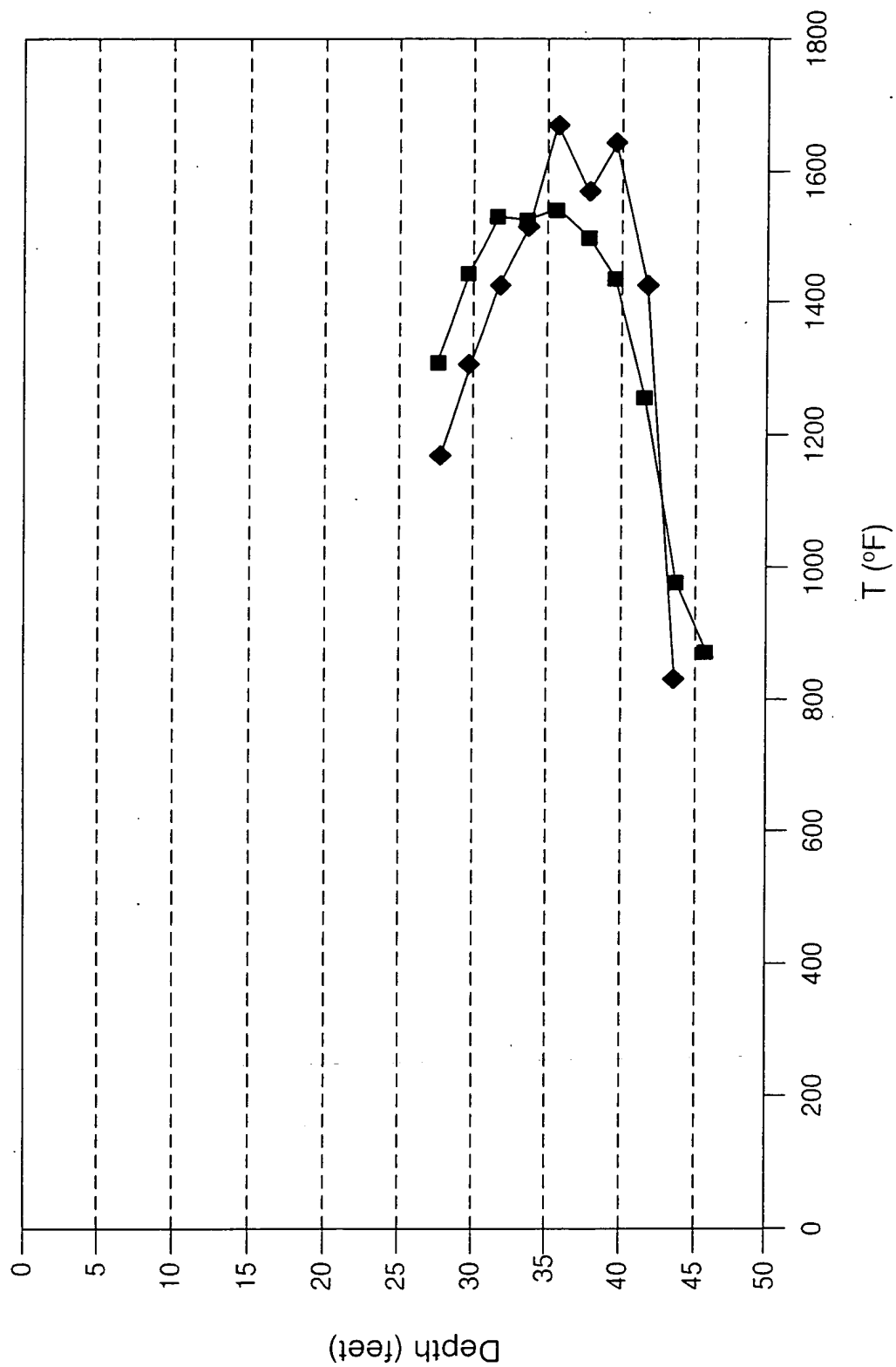


FIG. 130

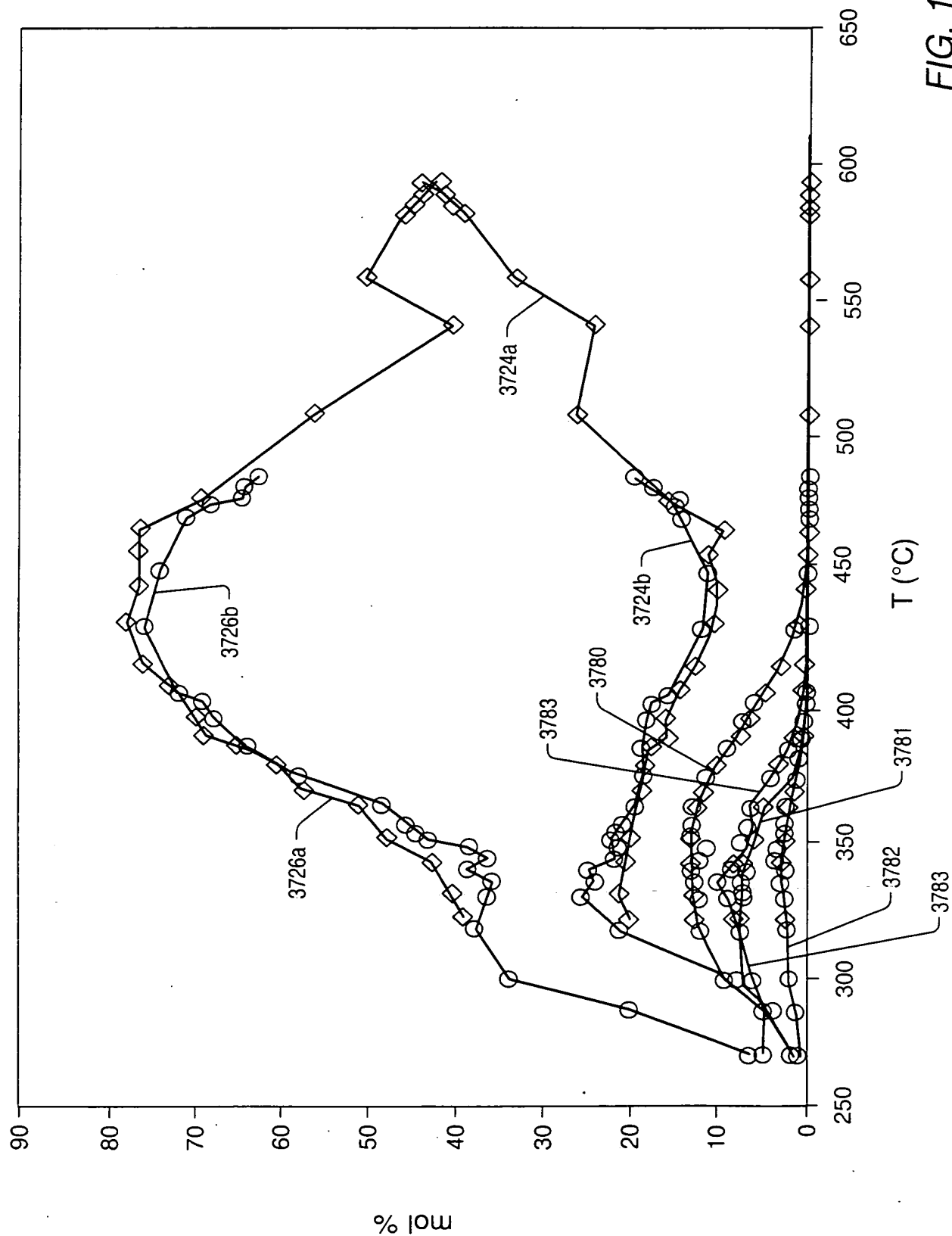


FIG. 131

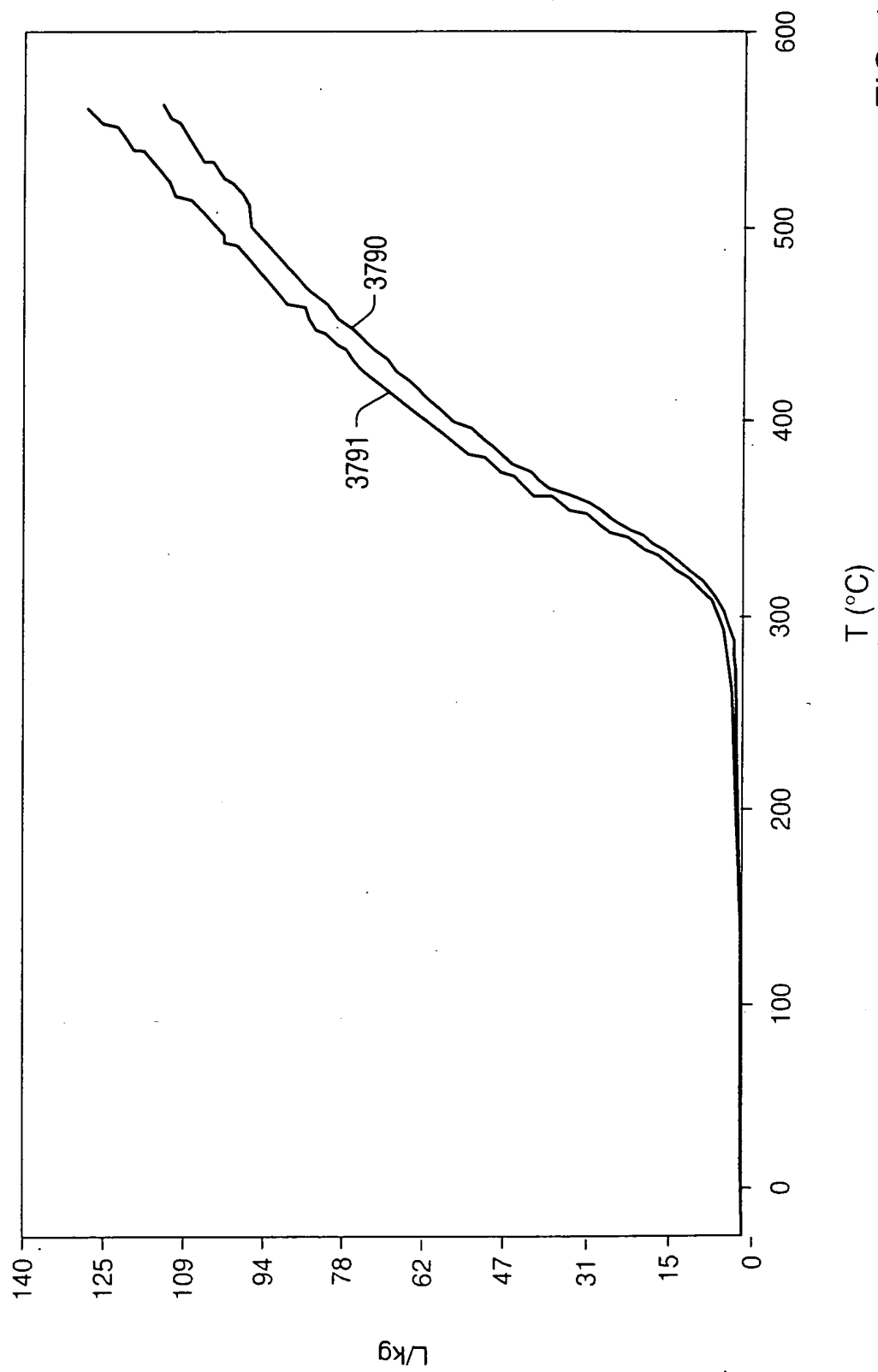


FIG. 132

FIG. 133

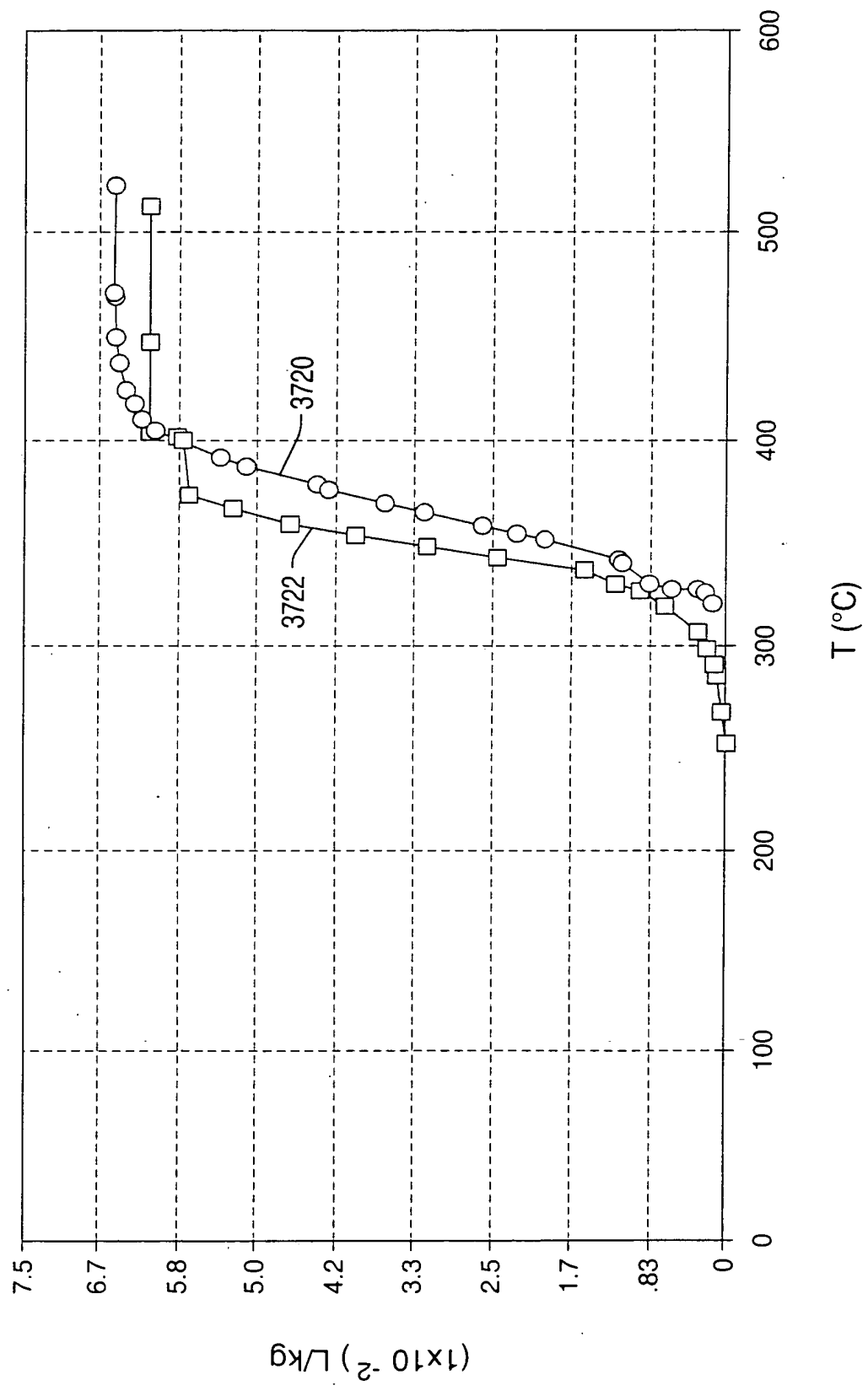


FIG. 133

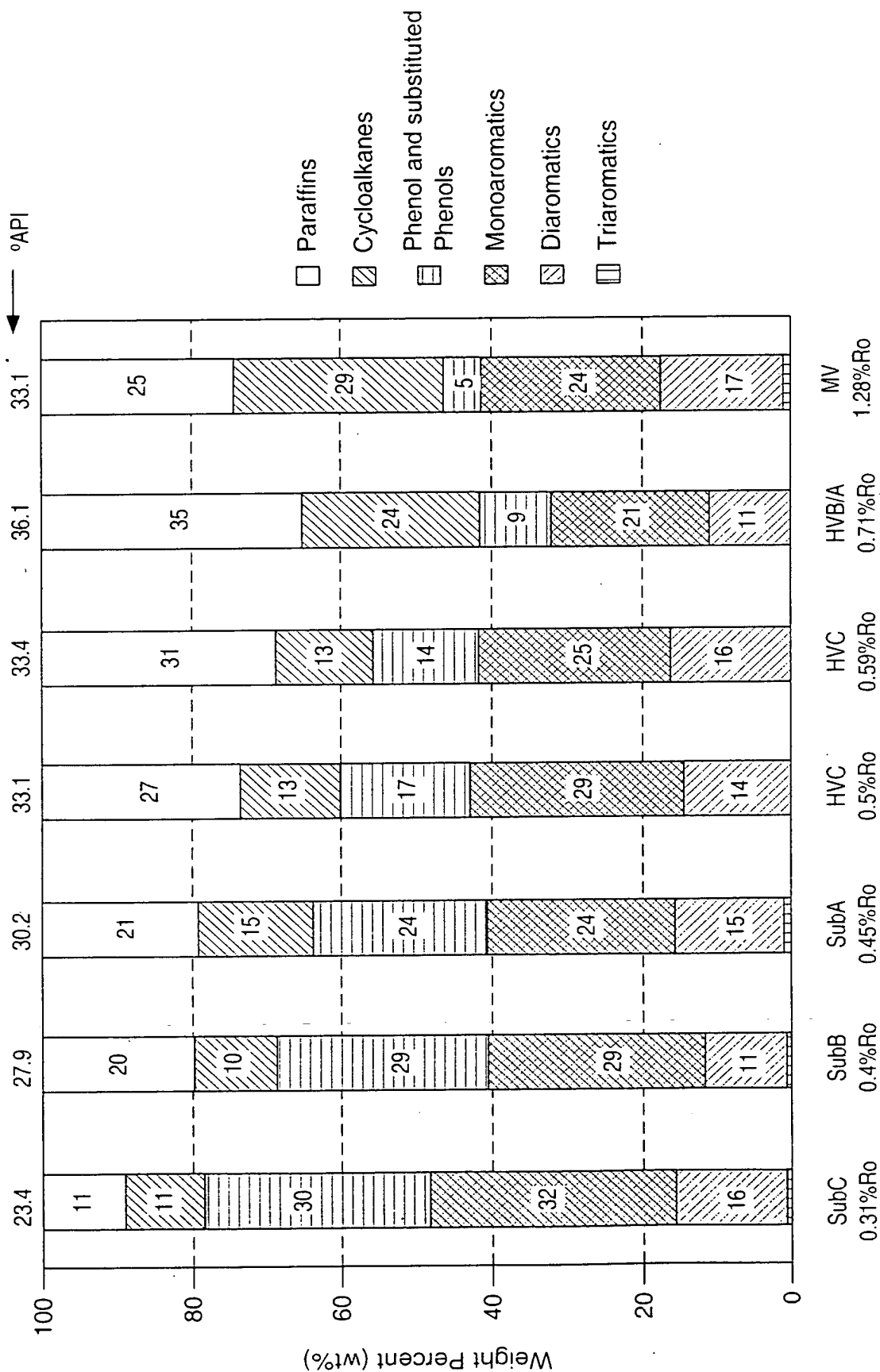


FIG. 134

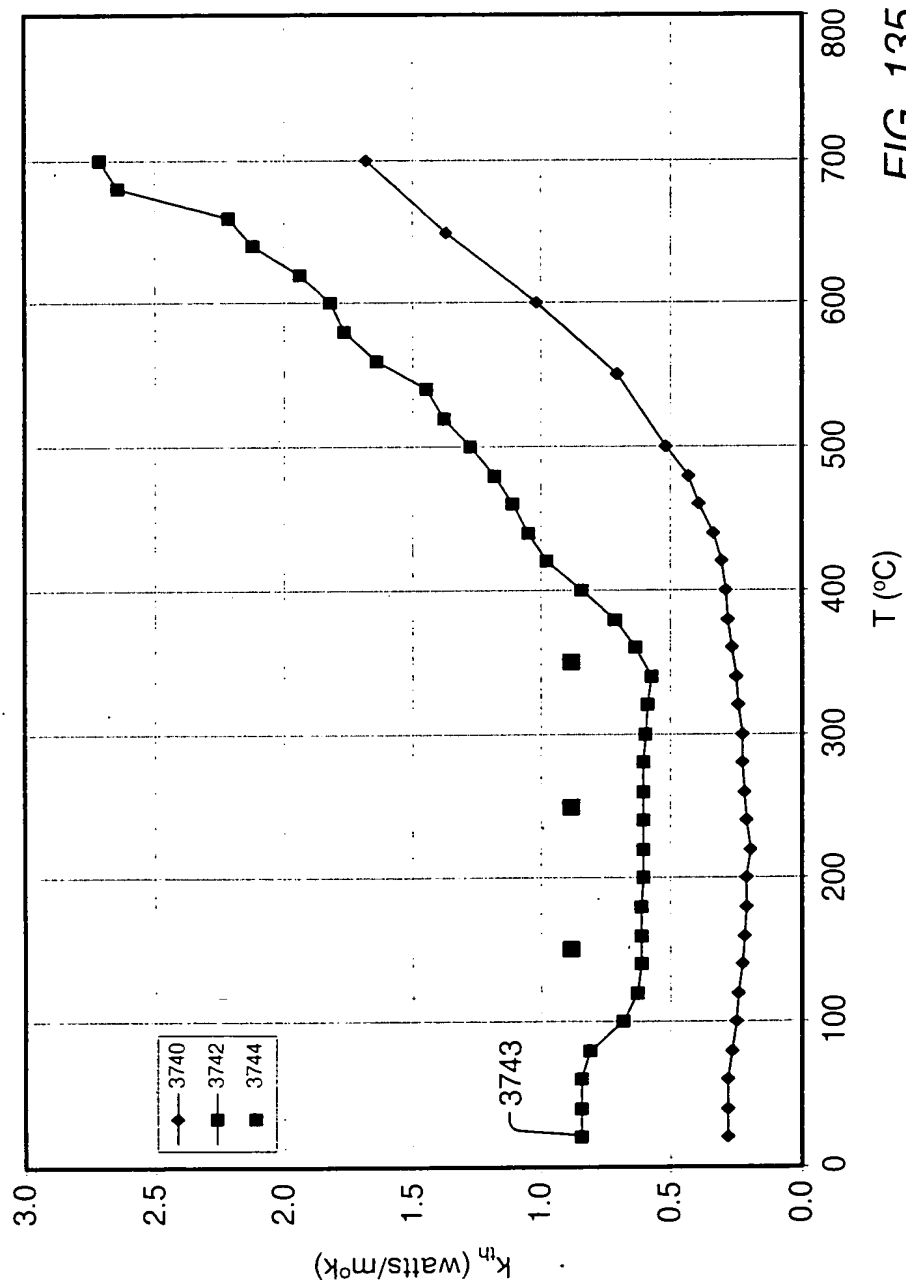


FIG. 135

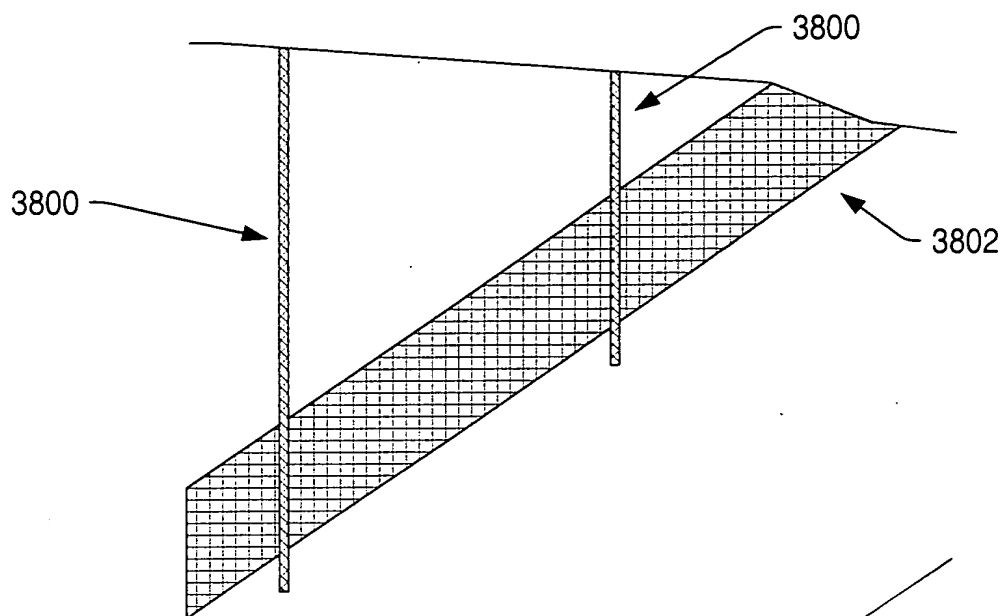


FIG. 136



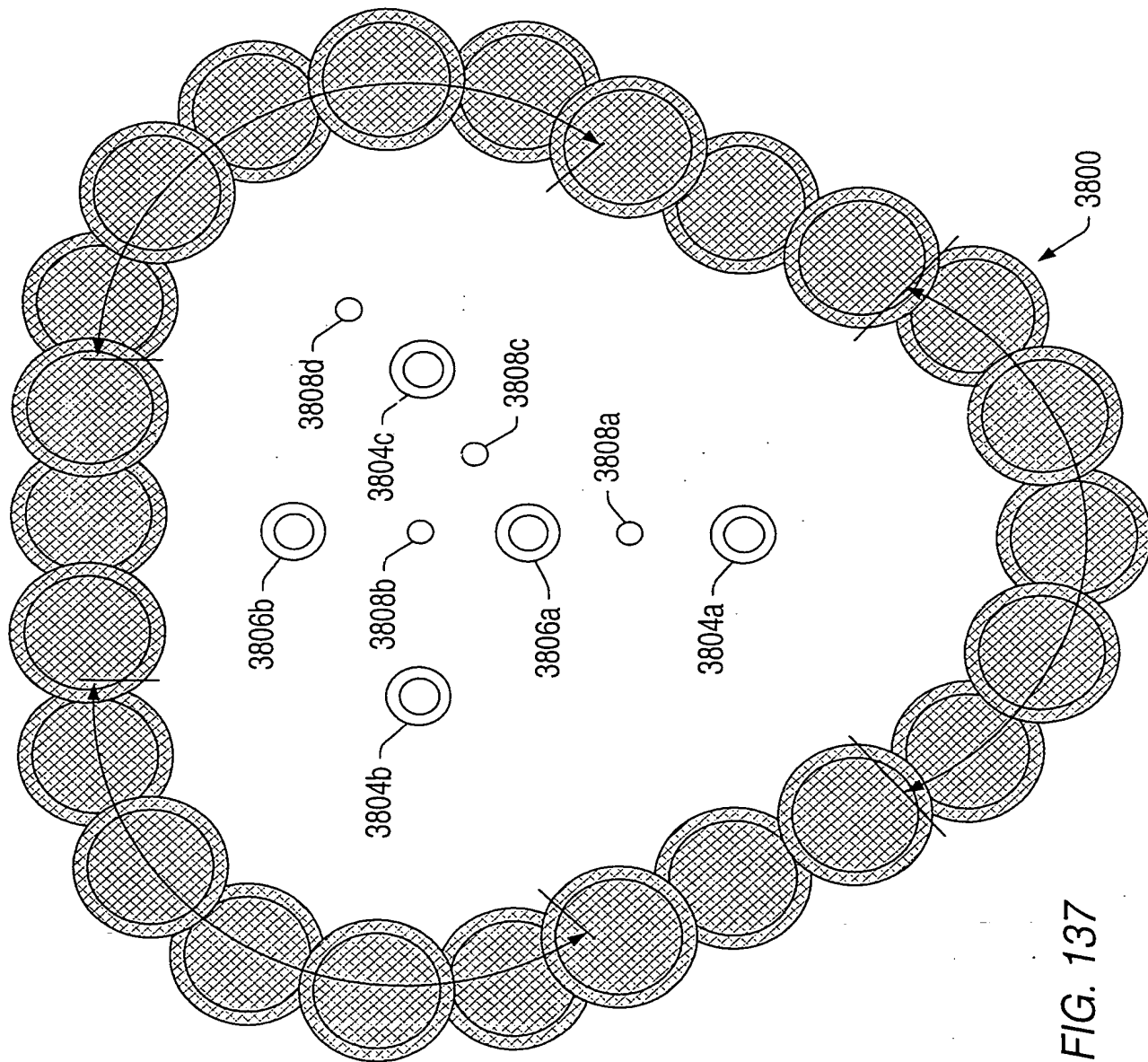


FIG. 137

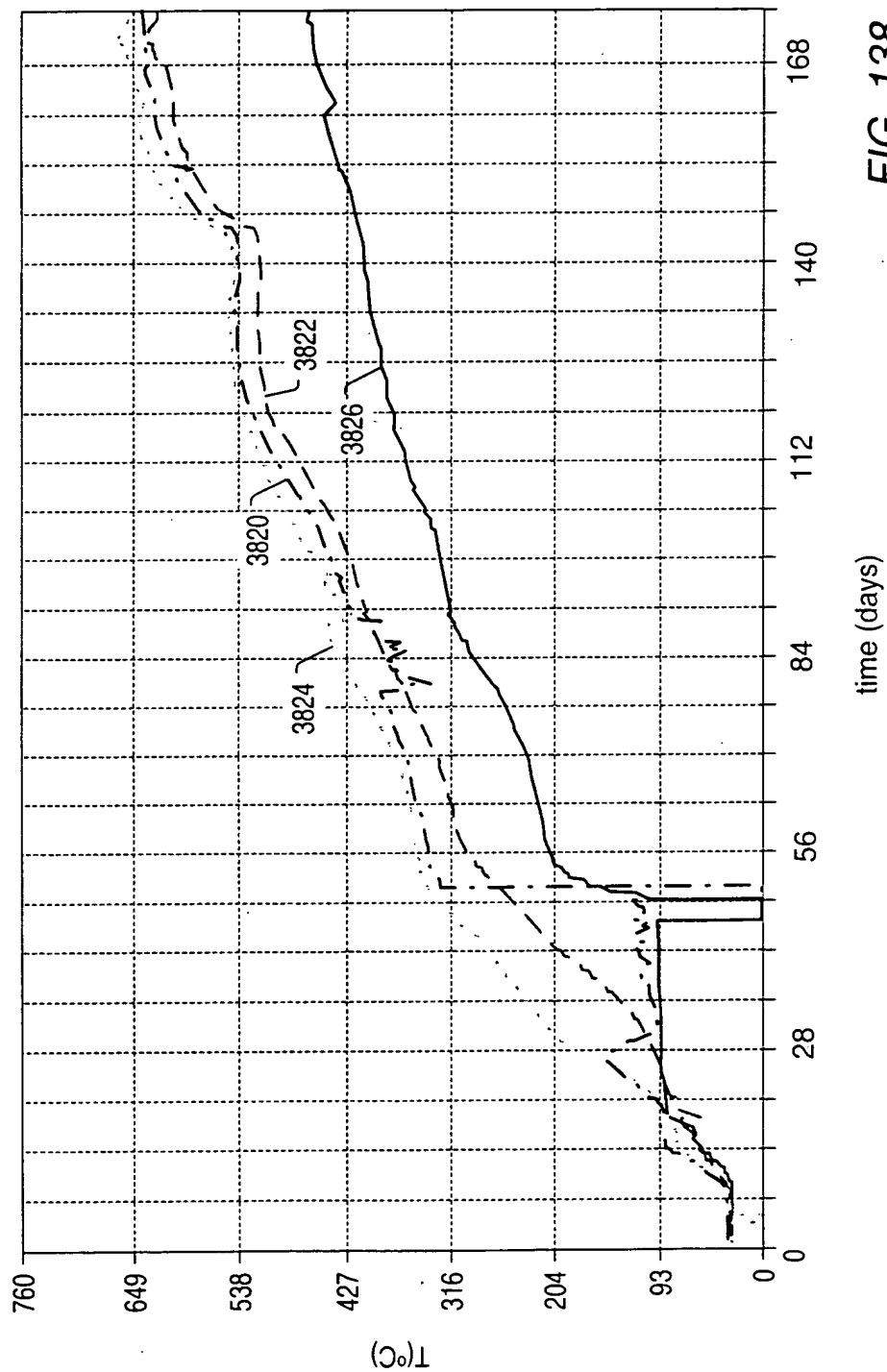


FIG. 138

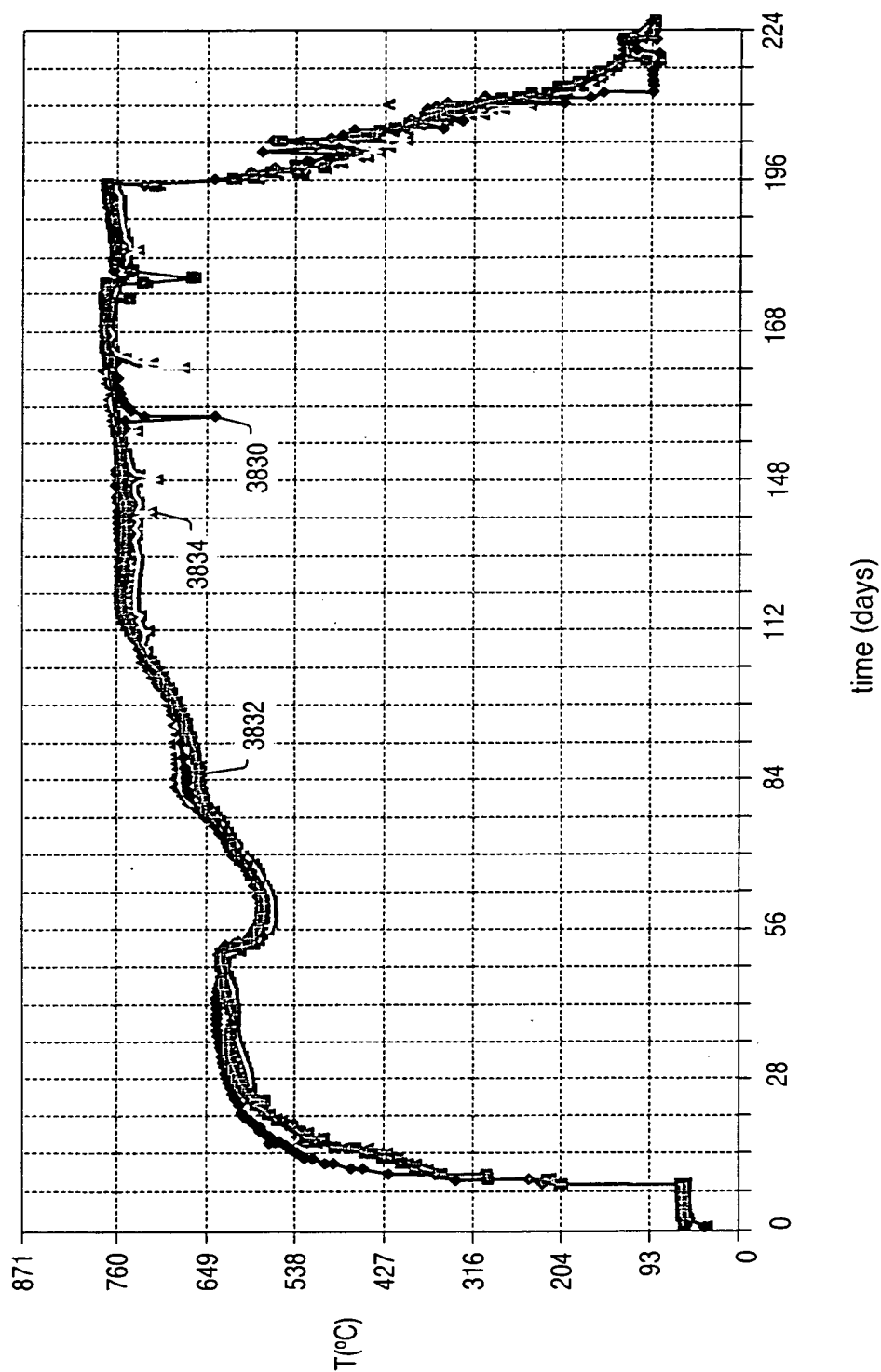


FIG. 139

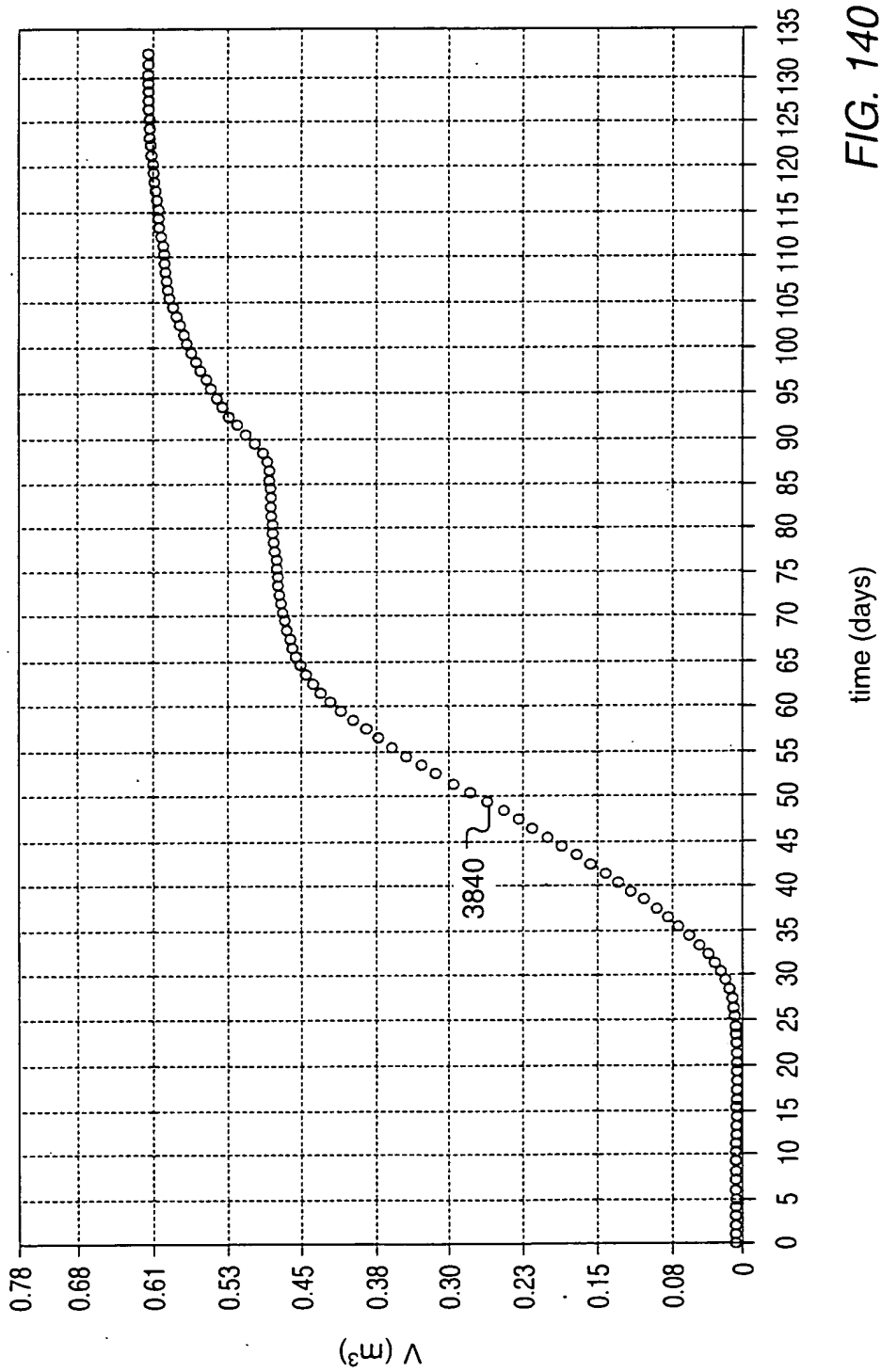


FIG. 140

FIG. 141

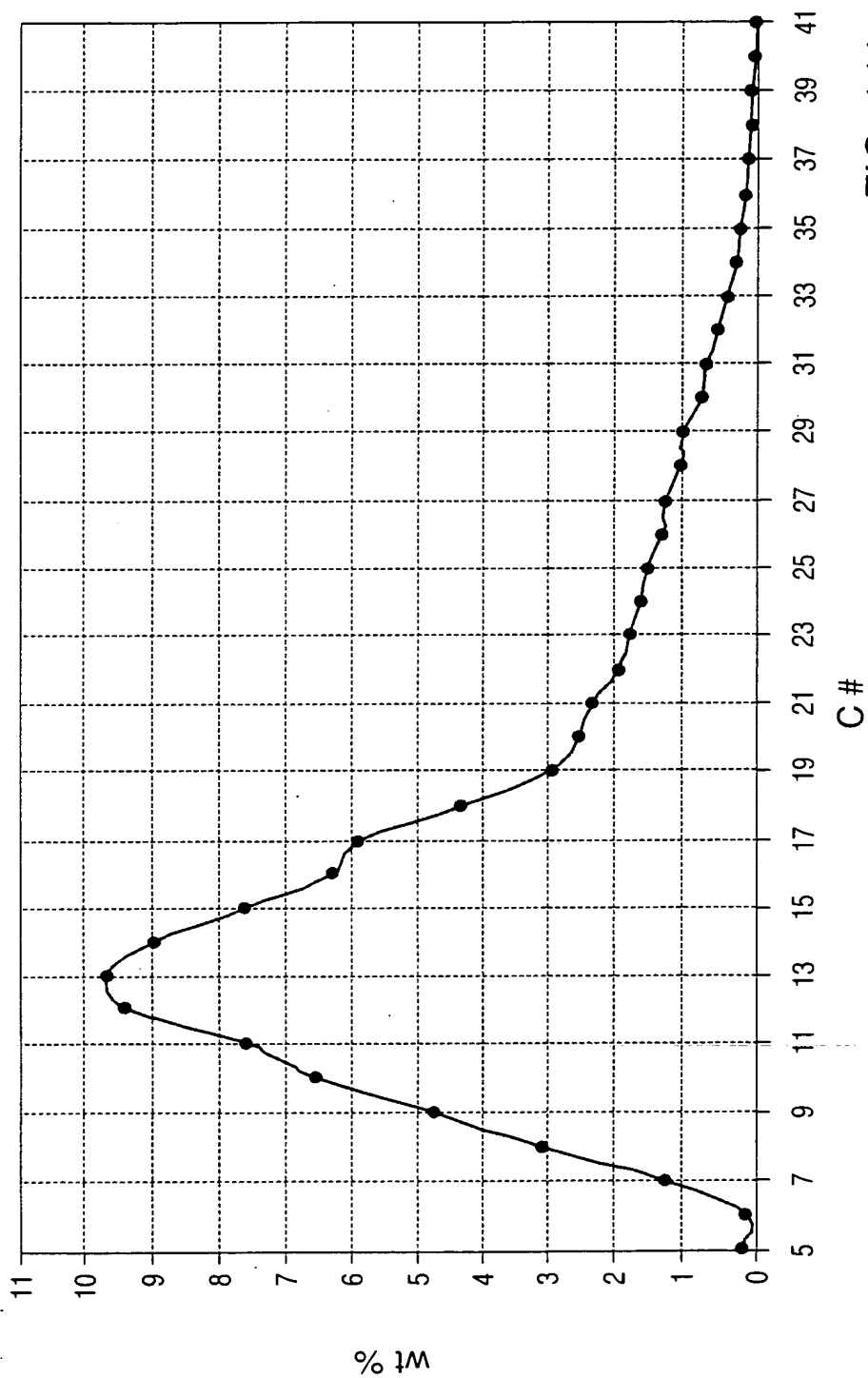


FIG. 141

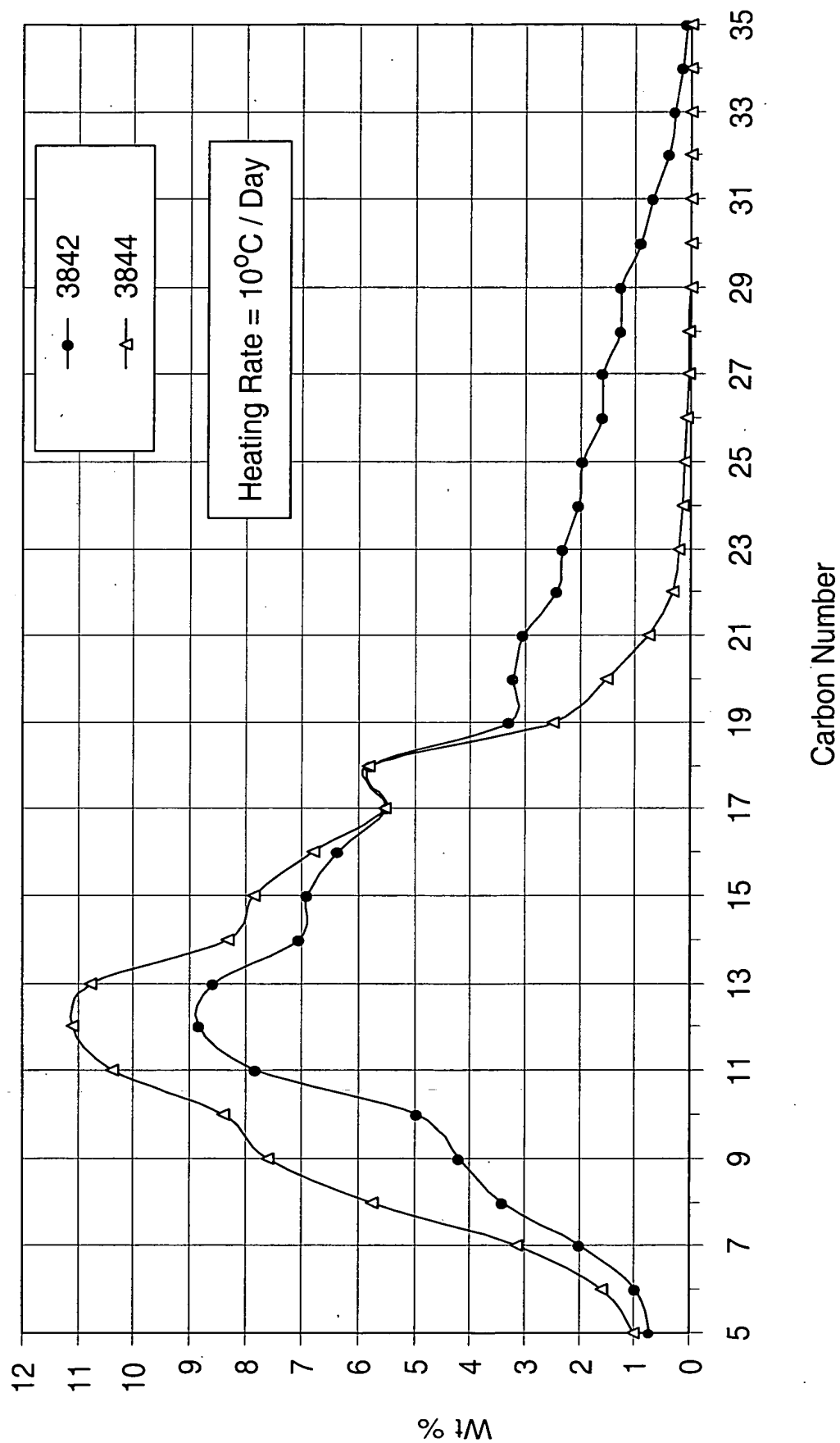


FIG. 142

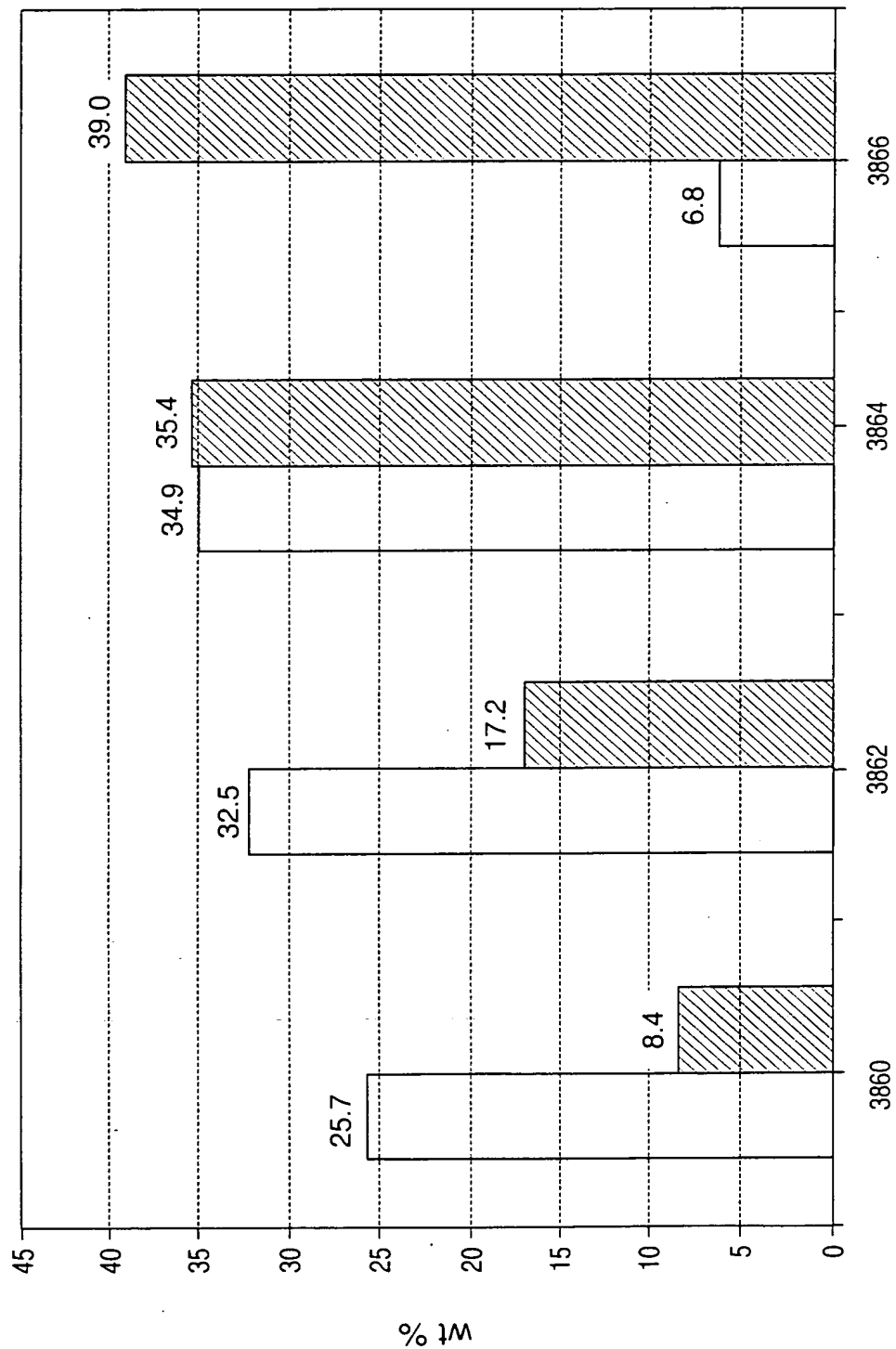
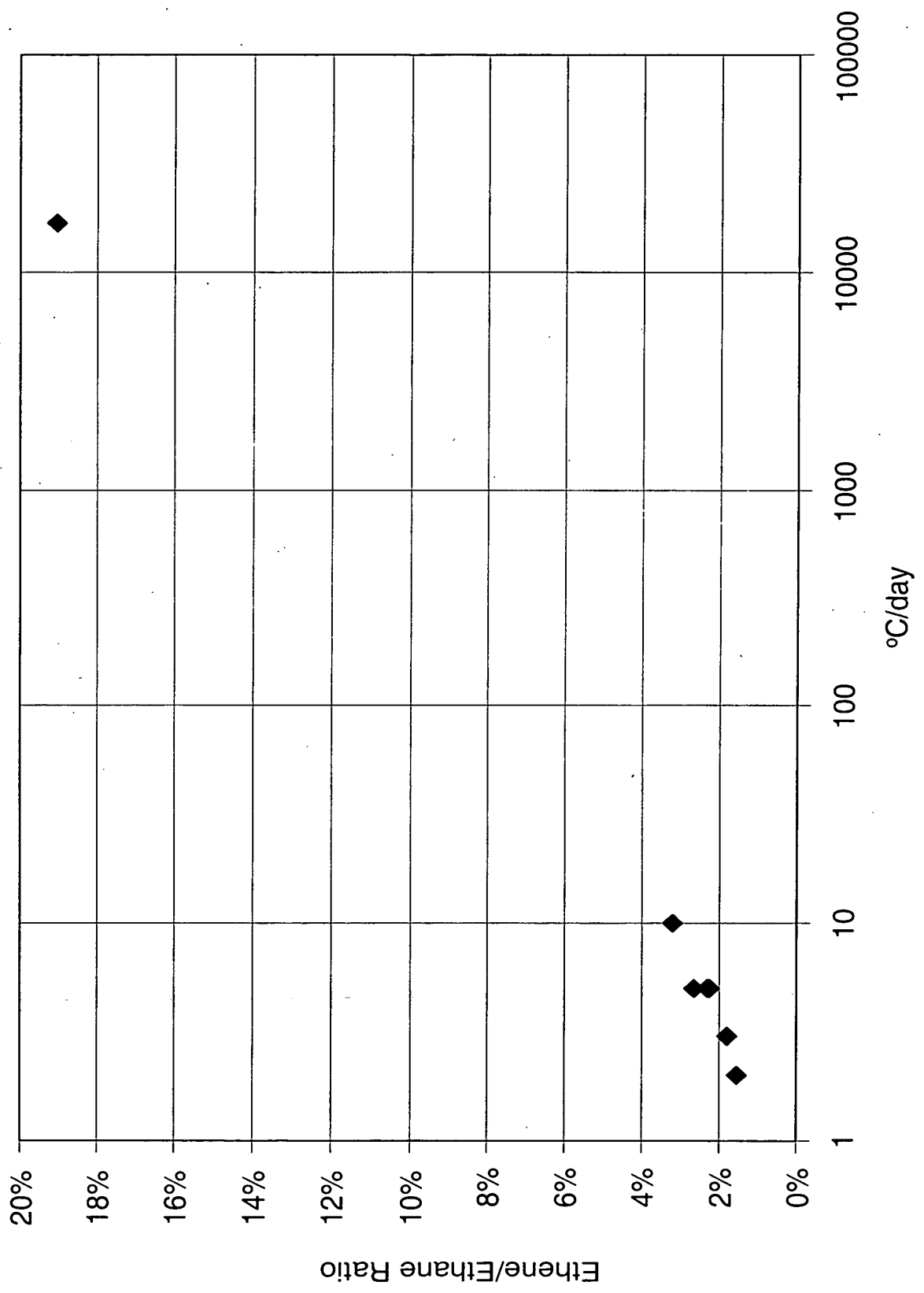


FIG. 143

FIG. 144





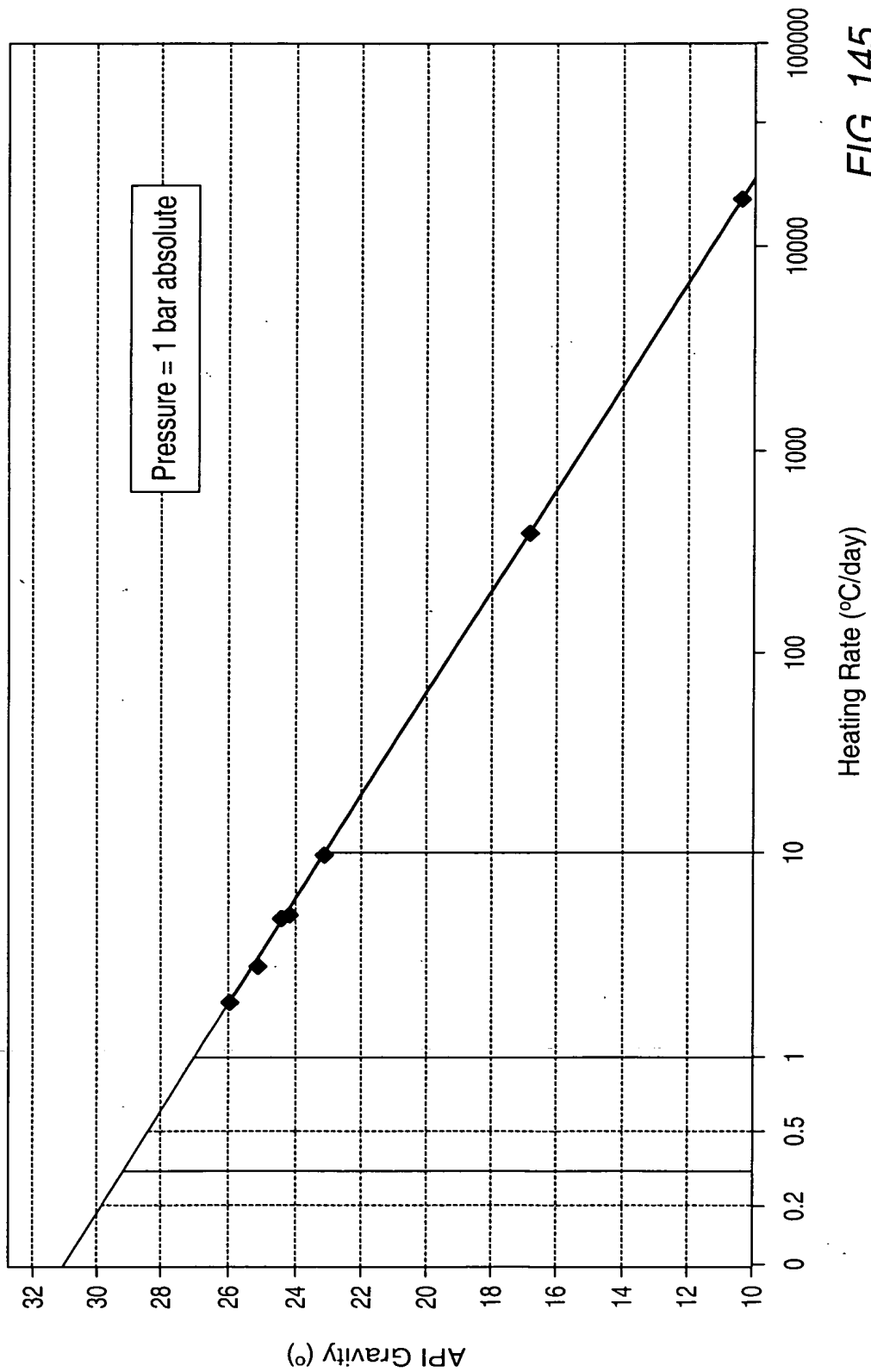


FIG. 145

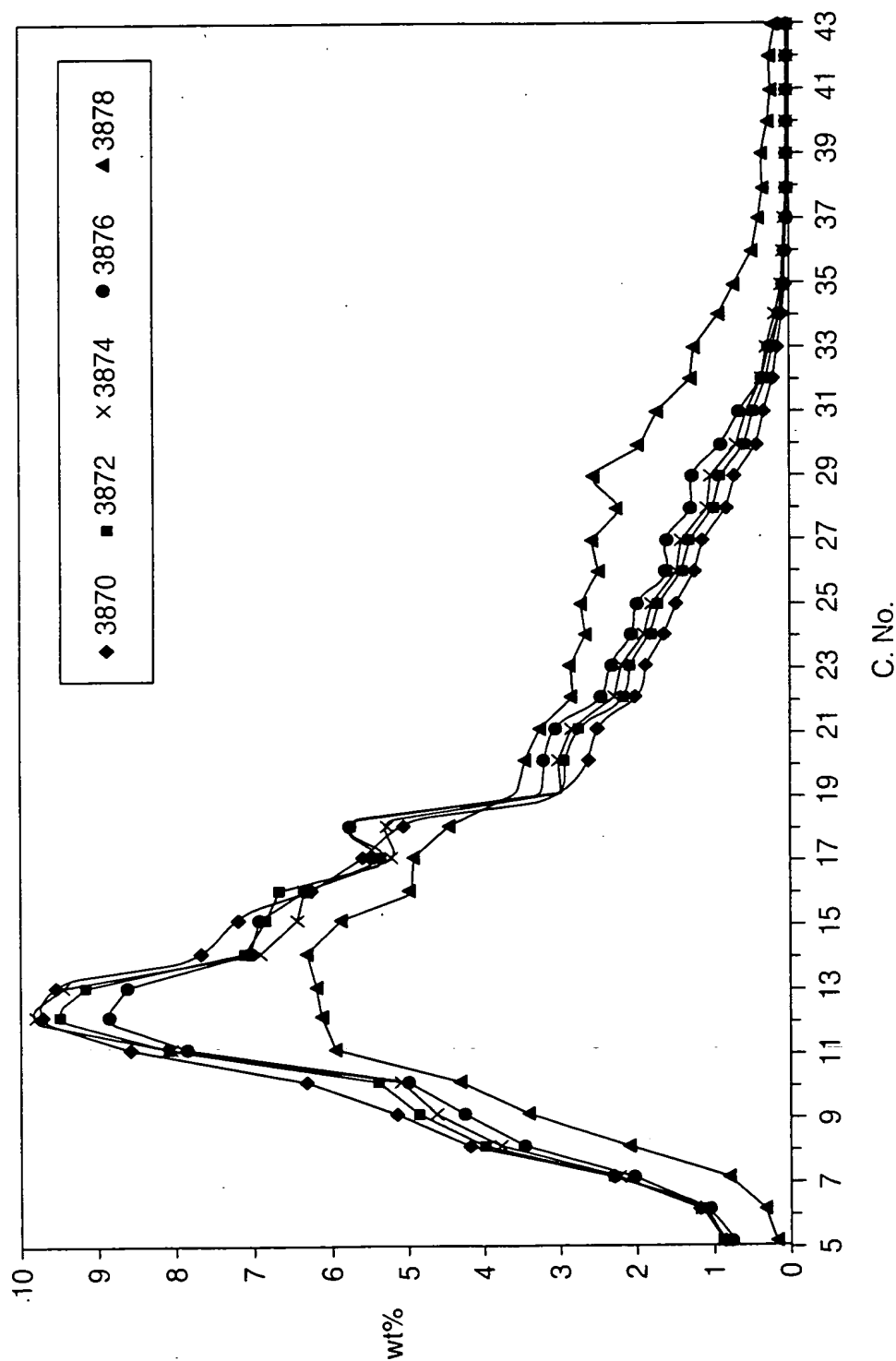


FIG. 146

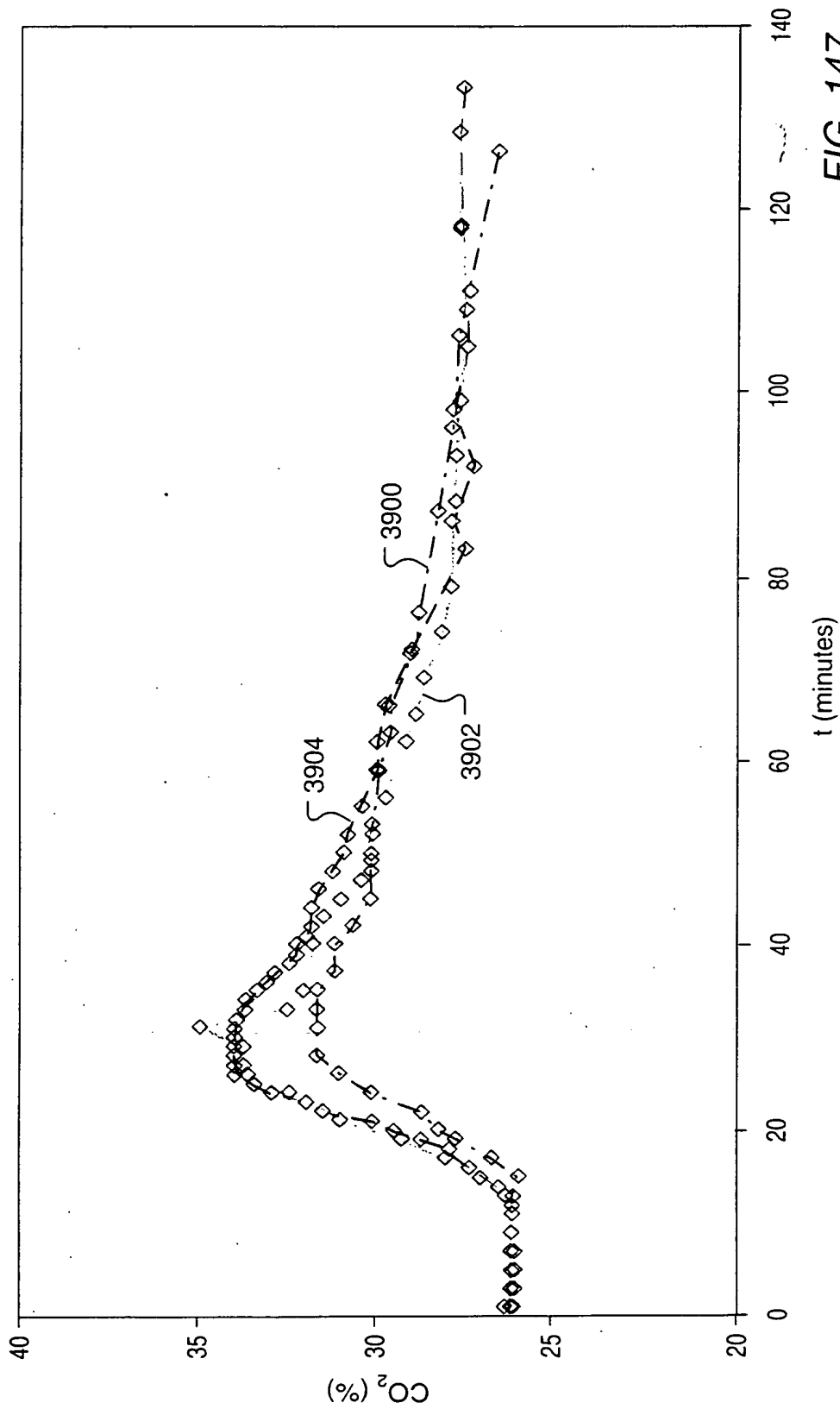
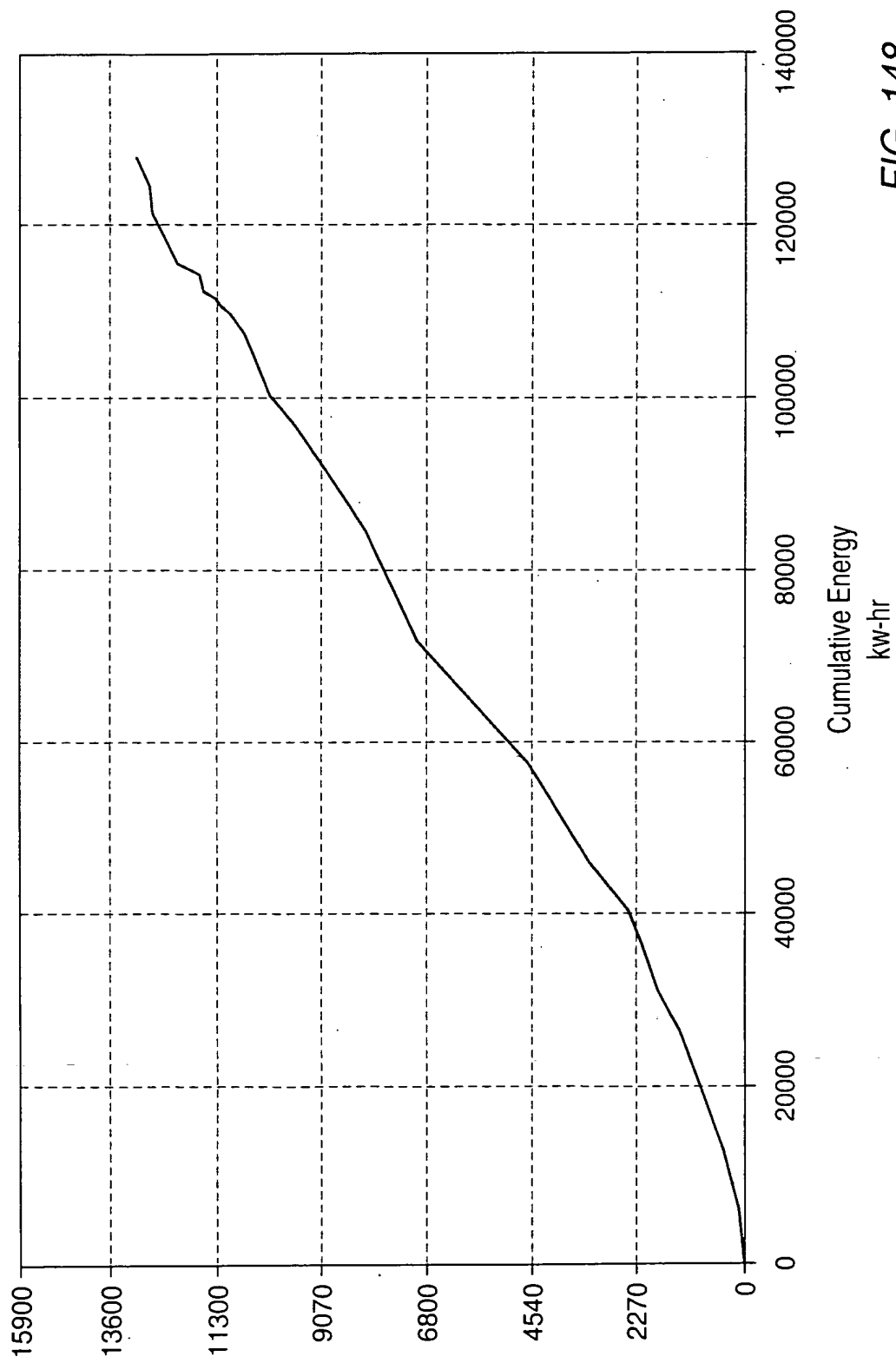
[illegible]

FIG. 147

wt. (kg)



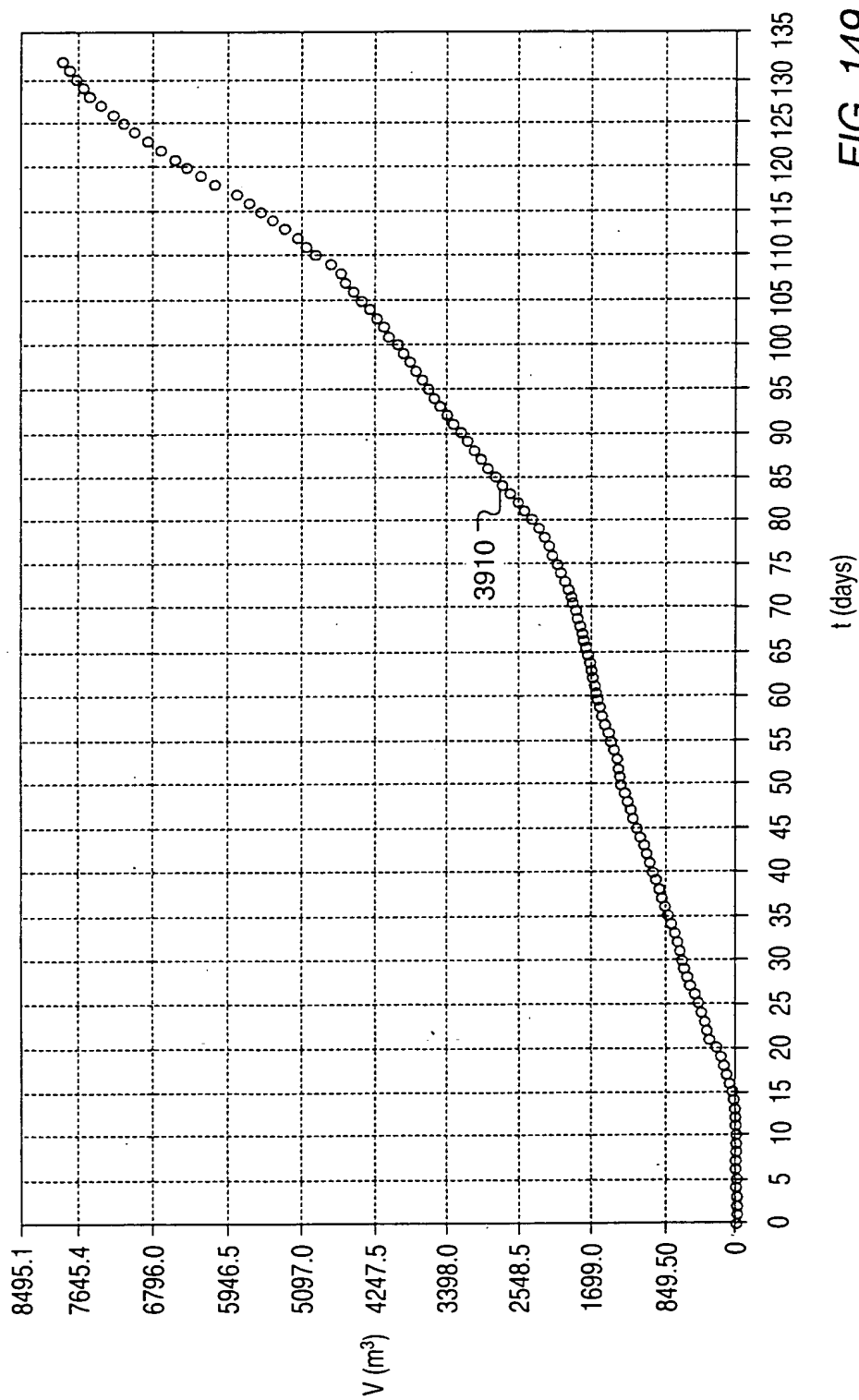


FIG. 149

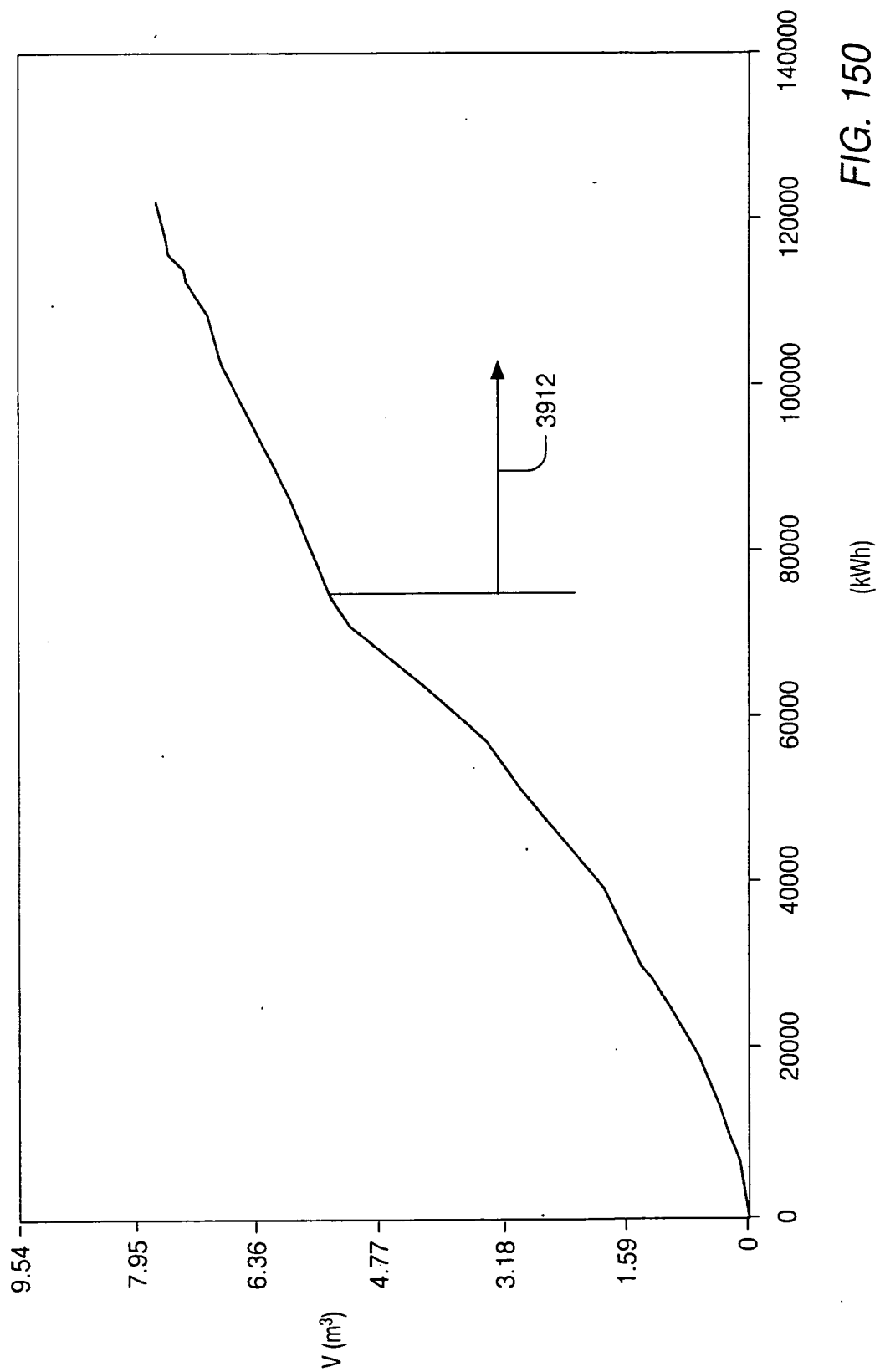


FIG. 150

2



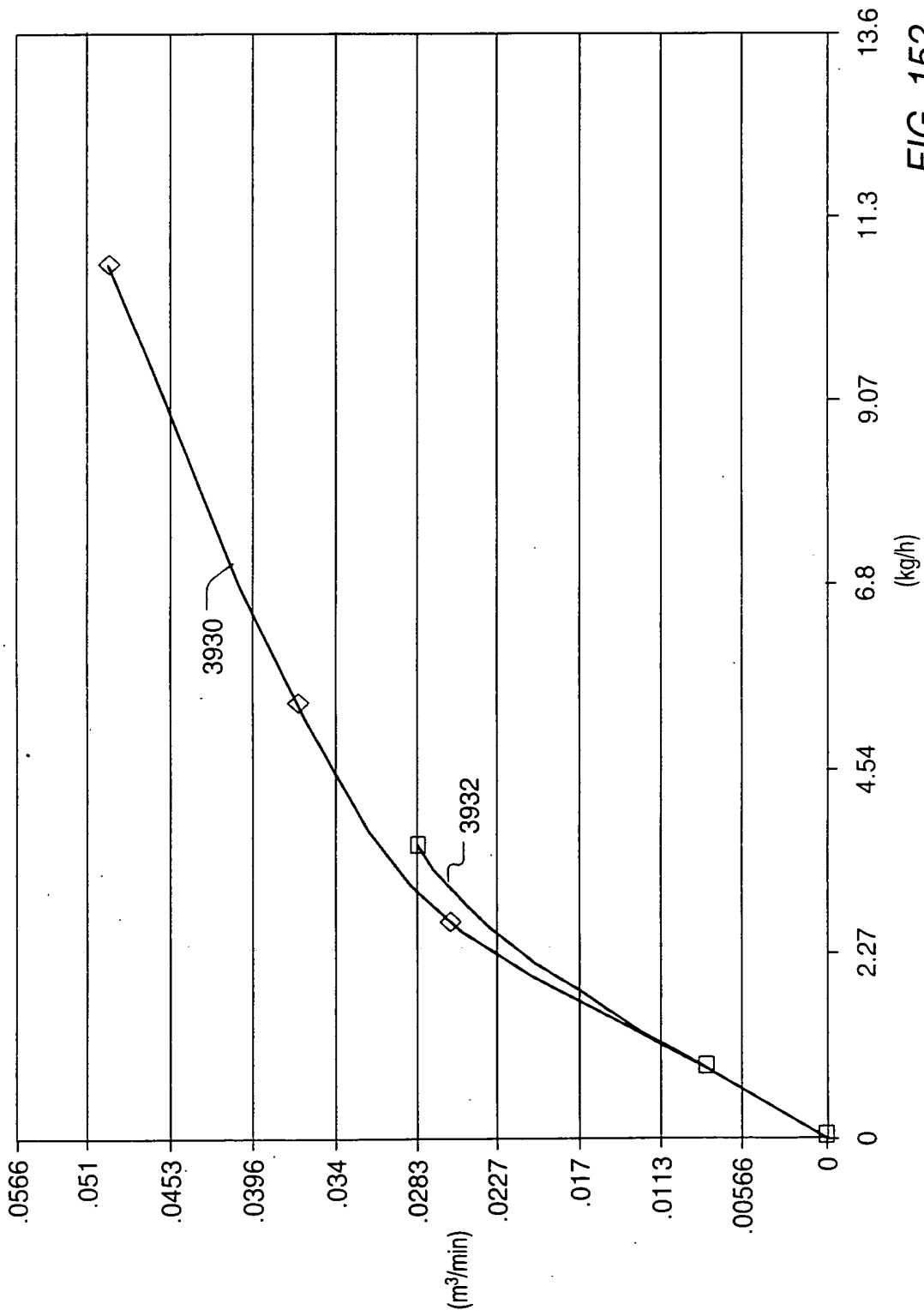


FIG. 152



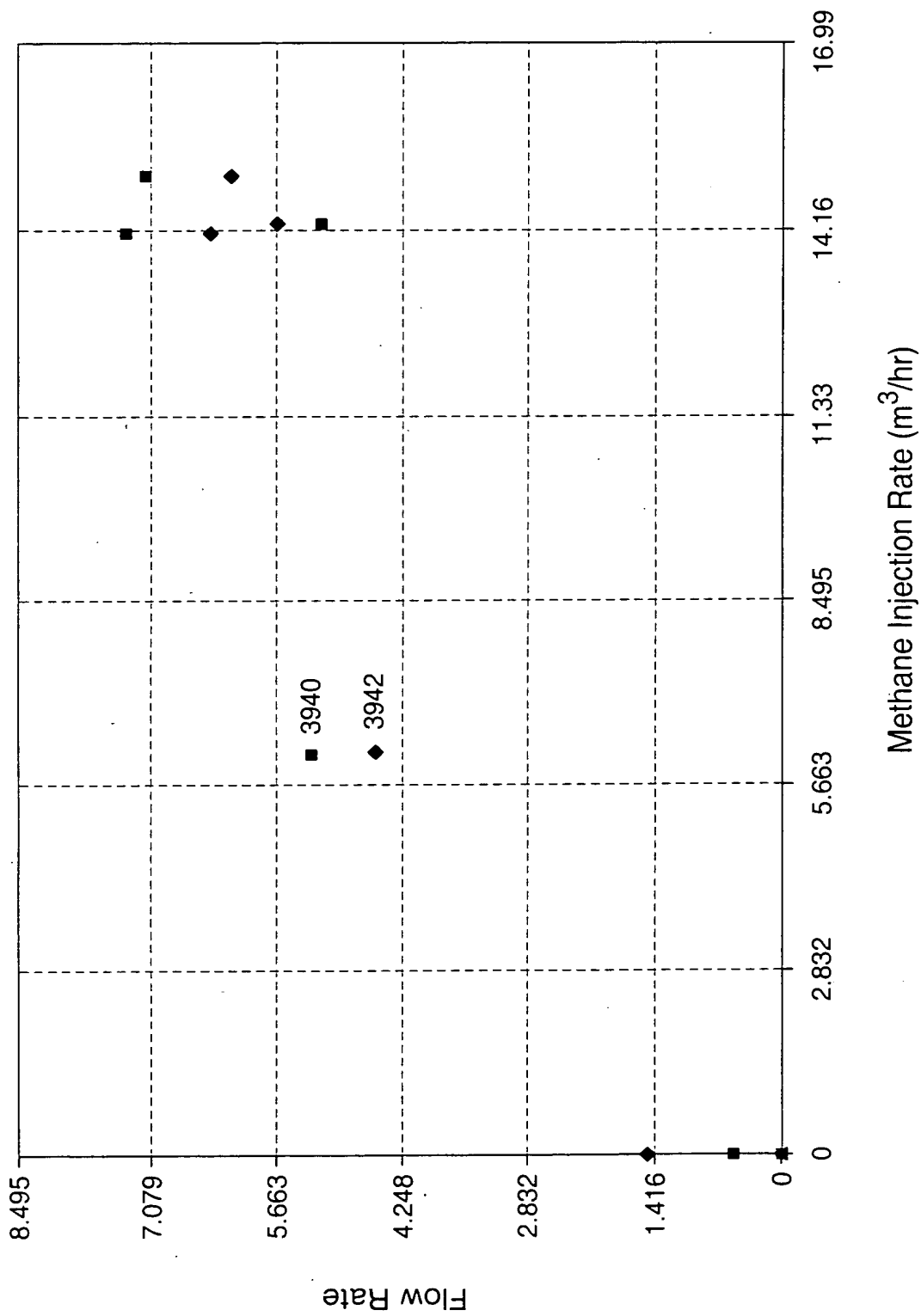


FIG. 153

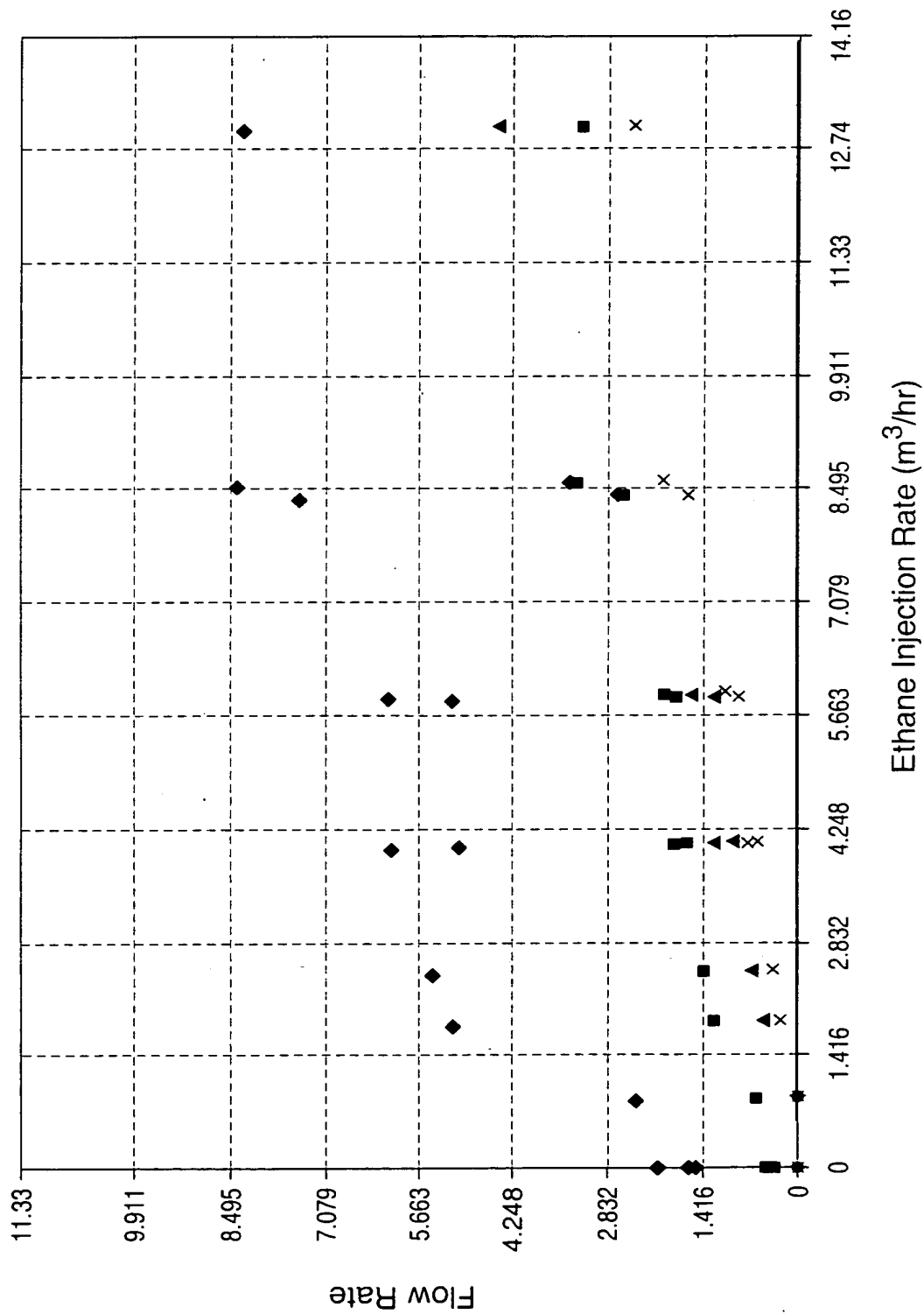


FIG. 154

# TABLE 3

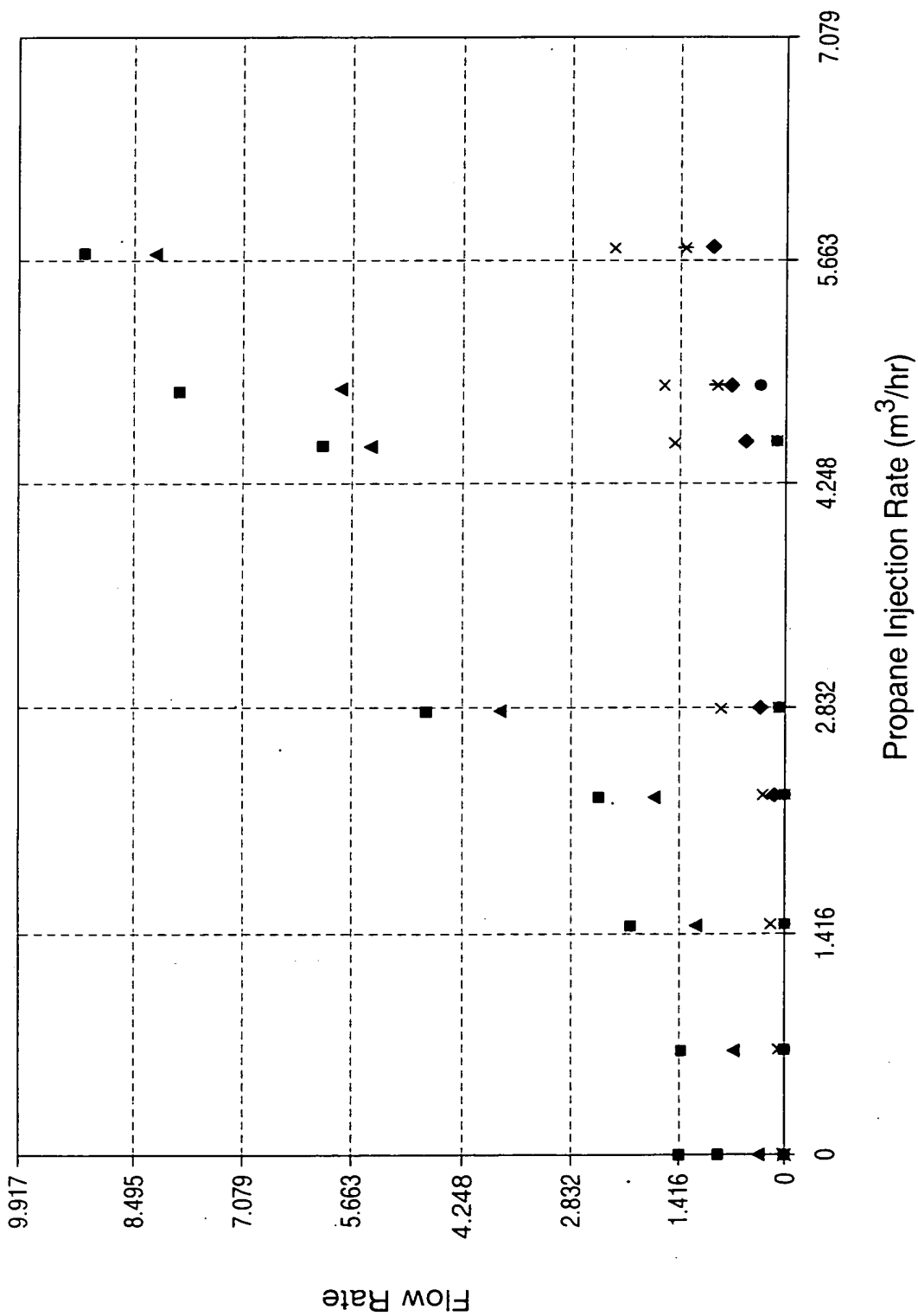


FIG. 155

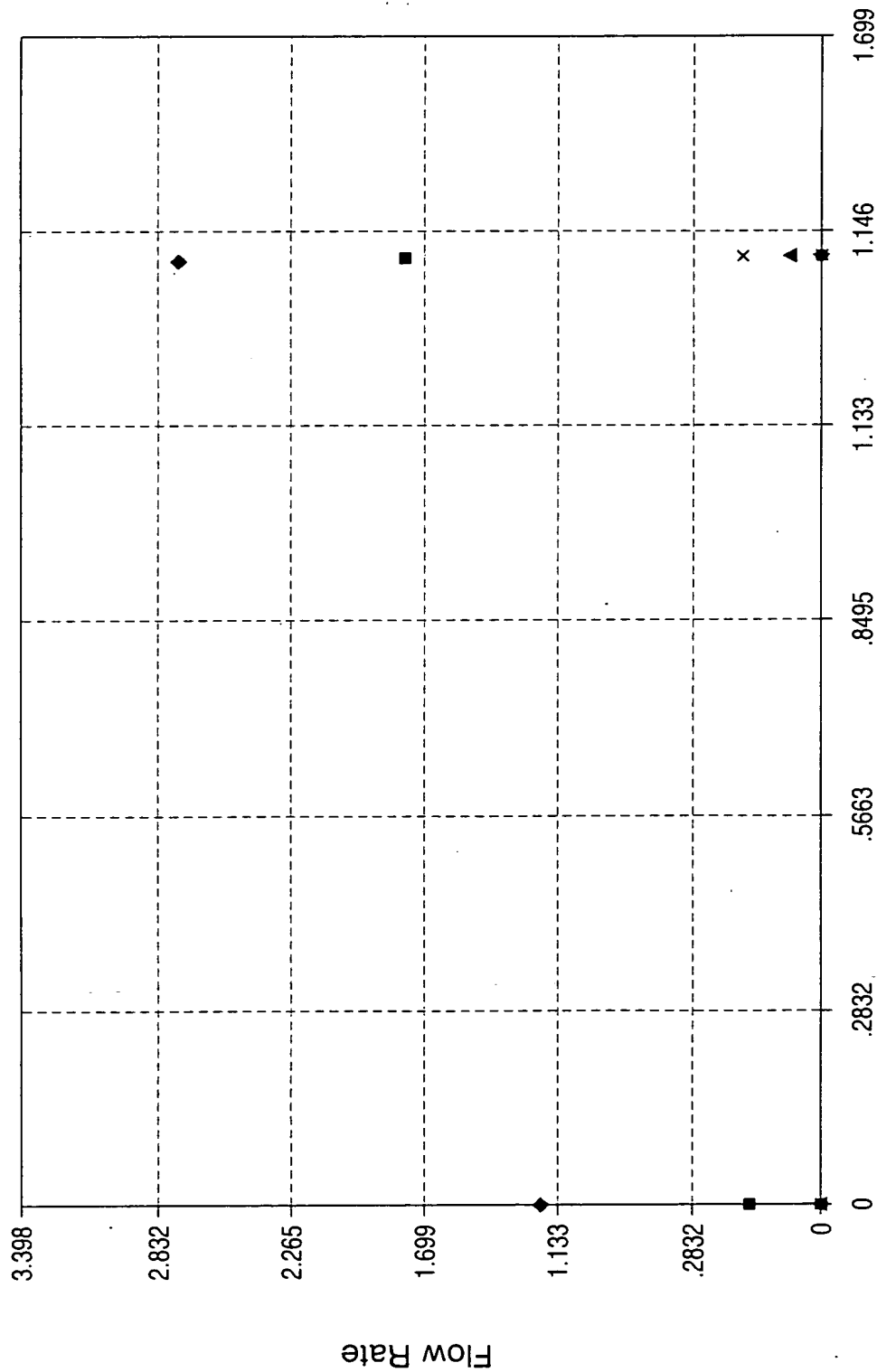
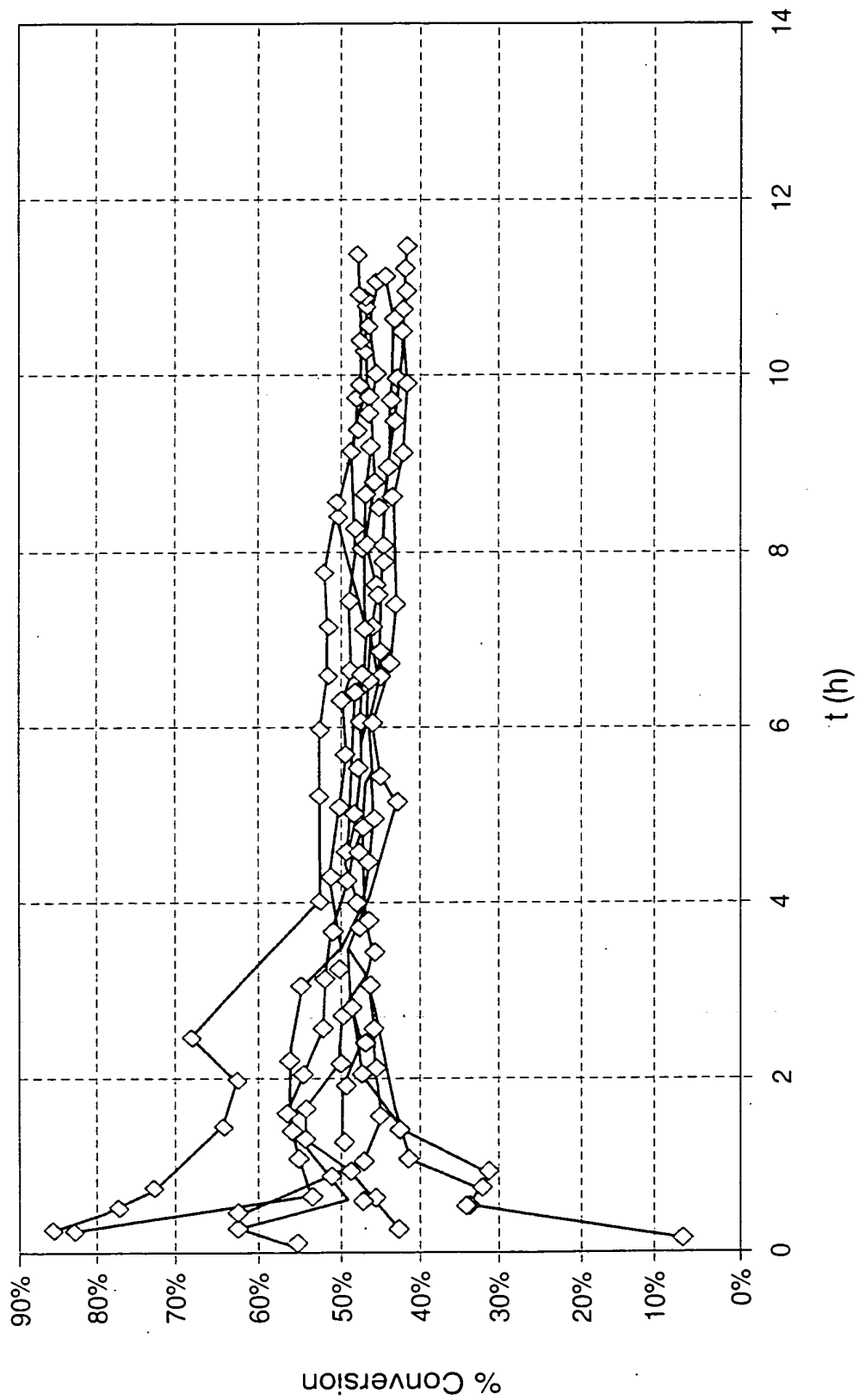


FIG. 156

FIG. 157

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	



**FIG. 158**

1000 900 800 700 600 500 400 300 200 100 0

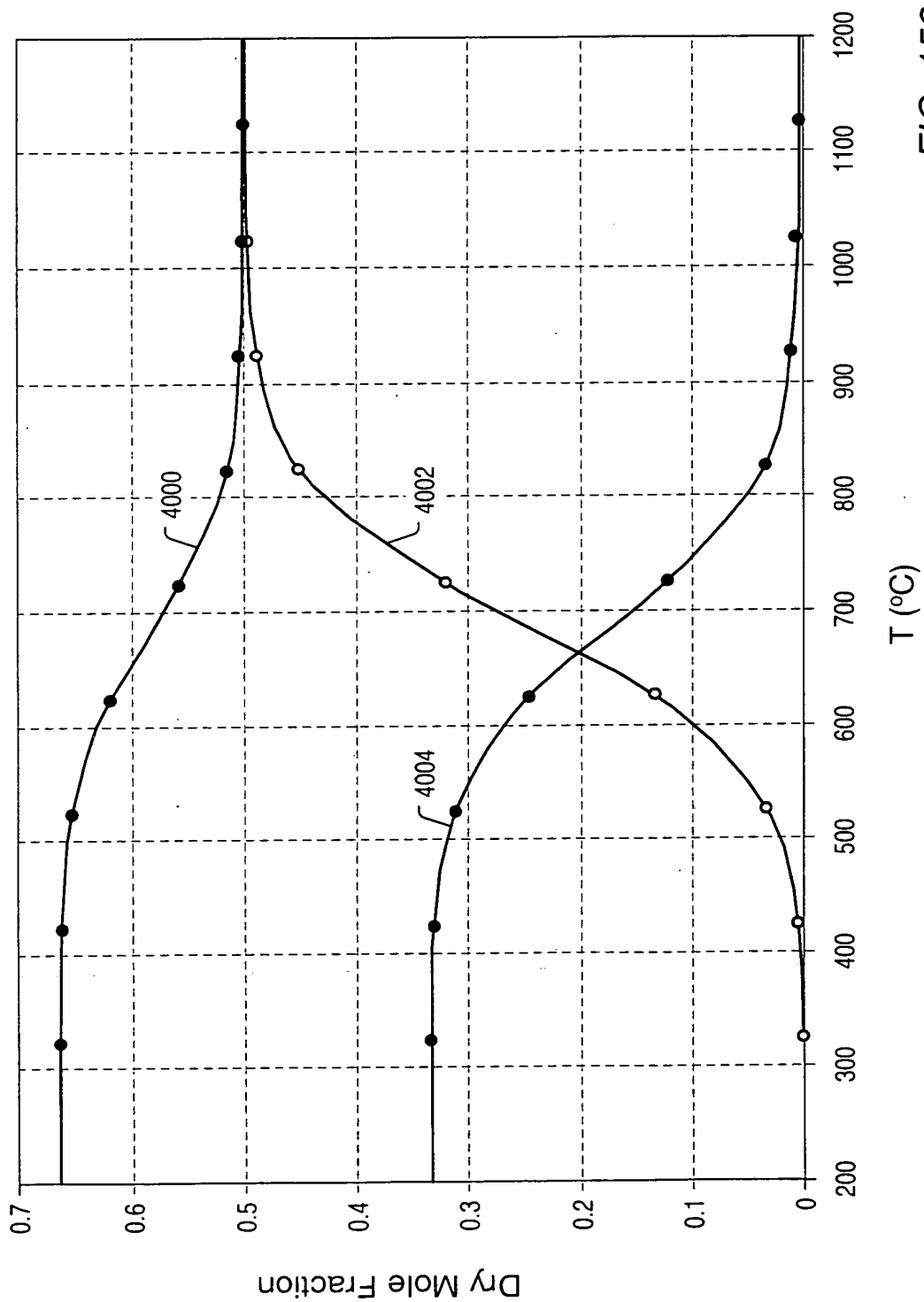


FIG. 159

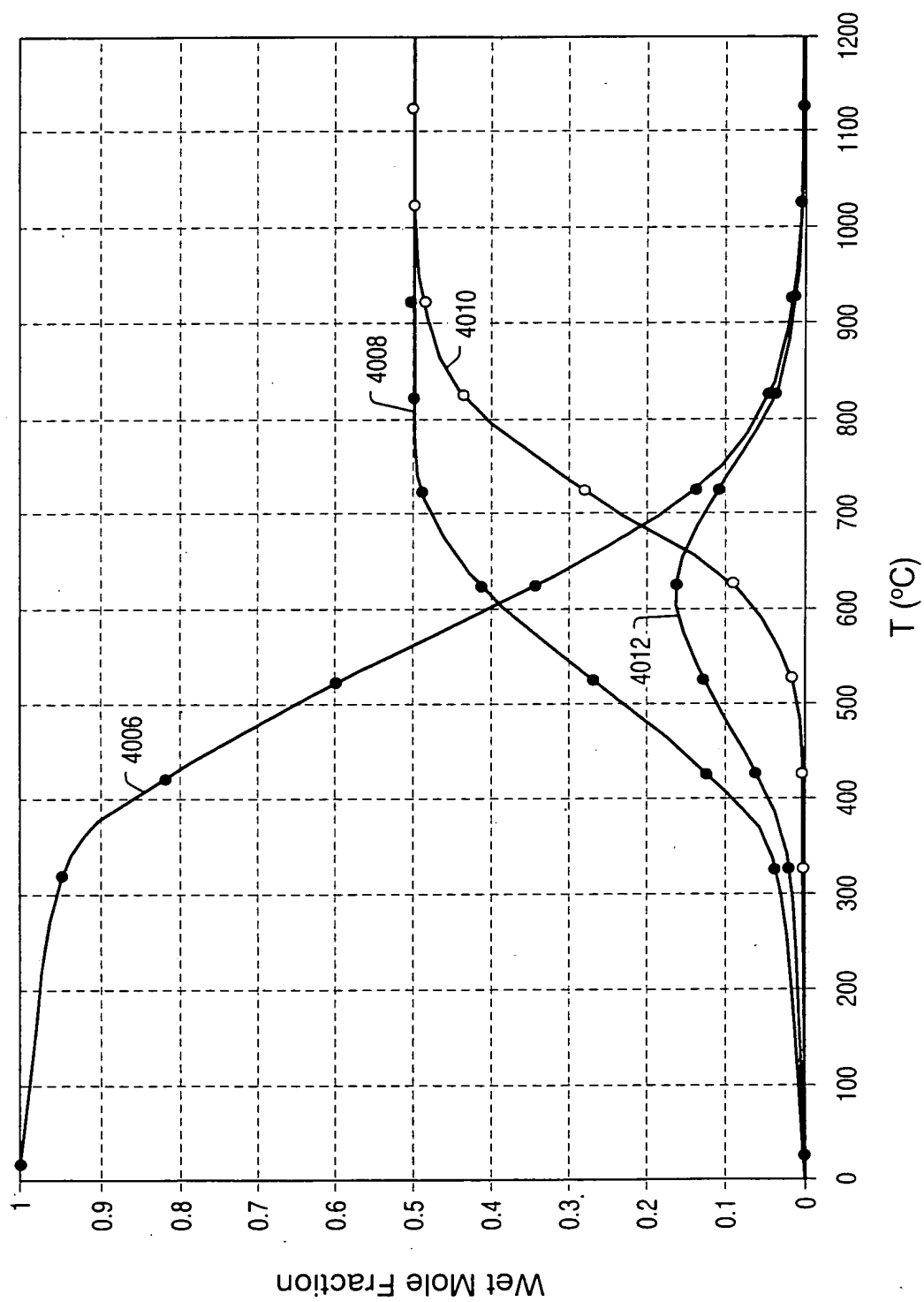
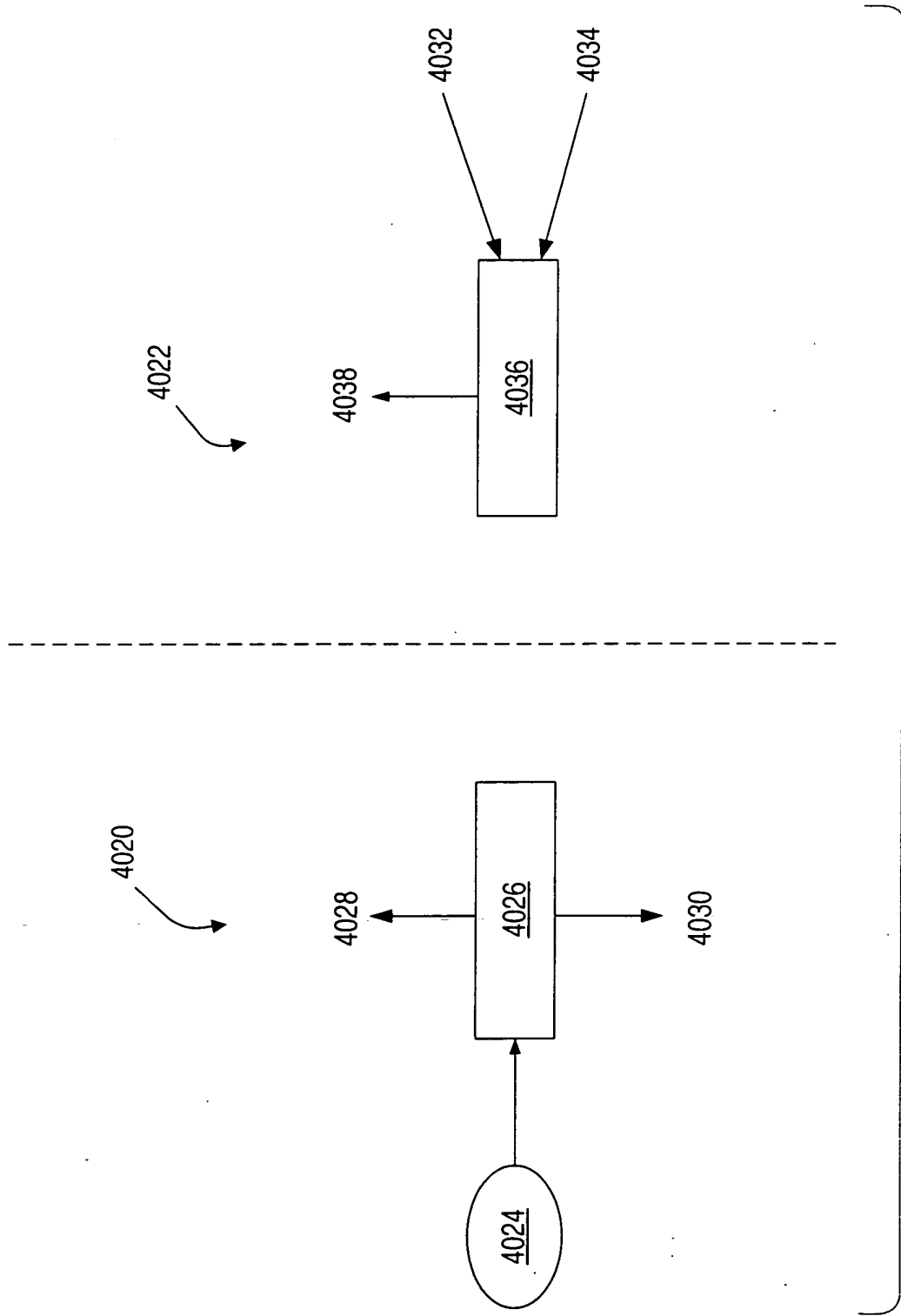


FIG. 160





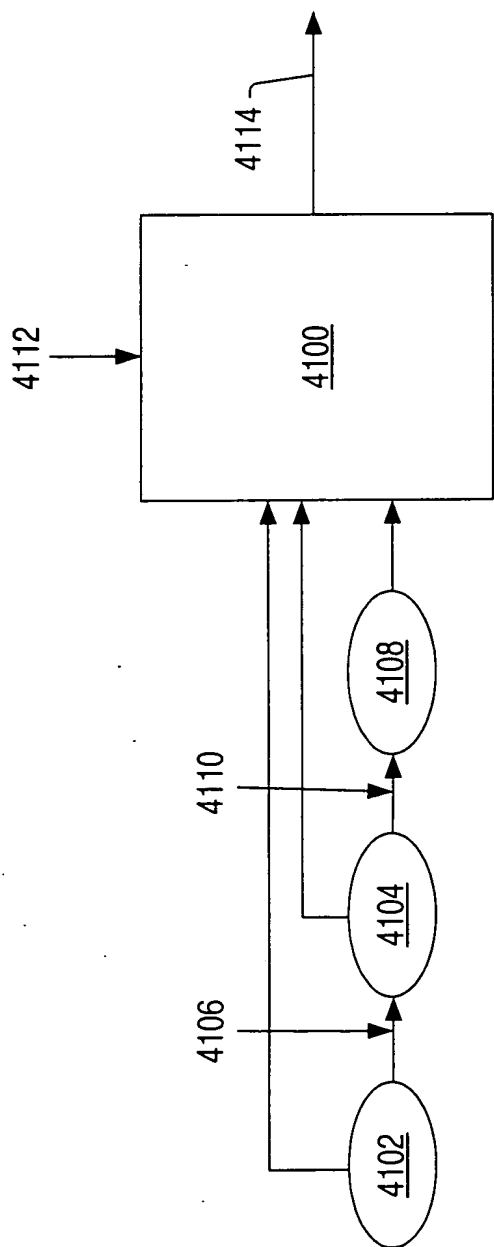


FIG. 162

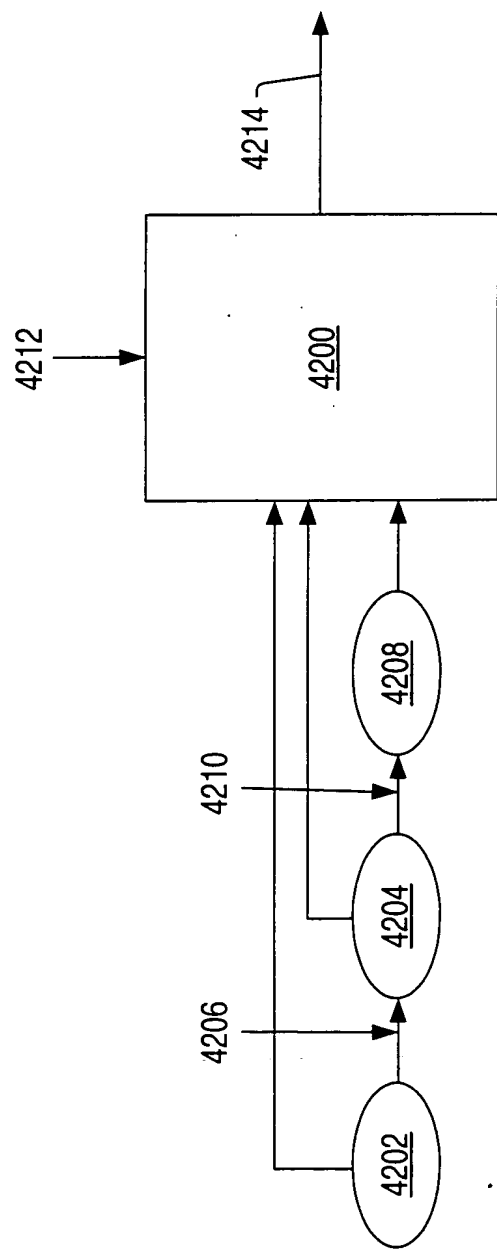


FIG. 163

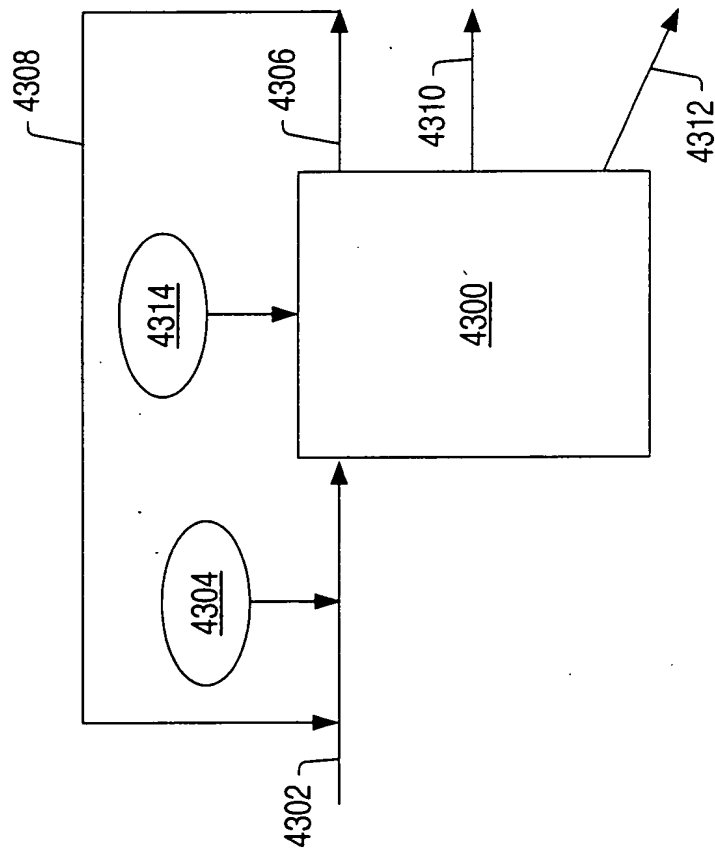


FIG. 164

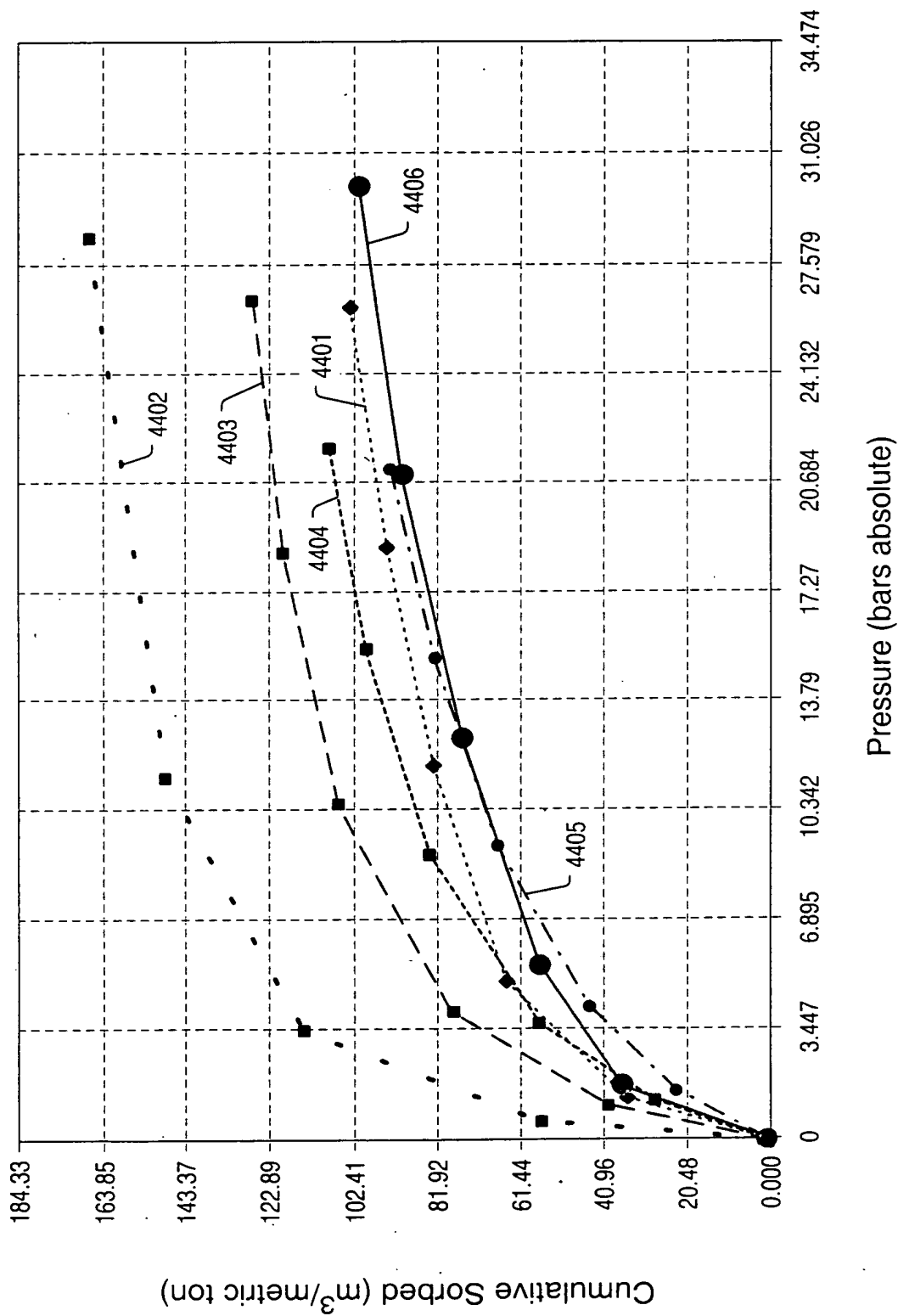


FIG. 165

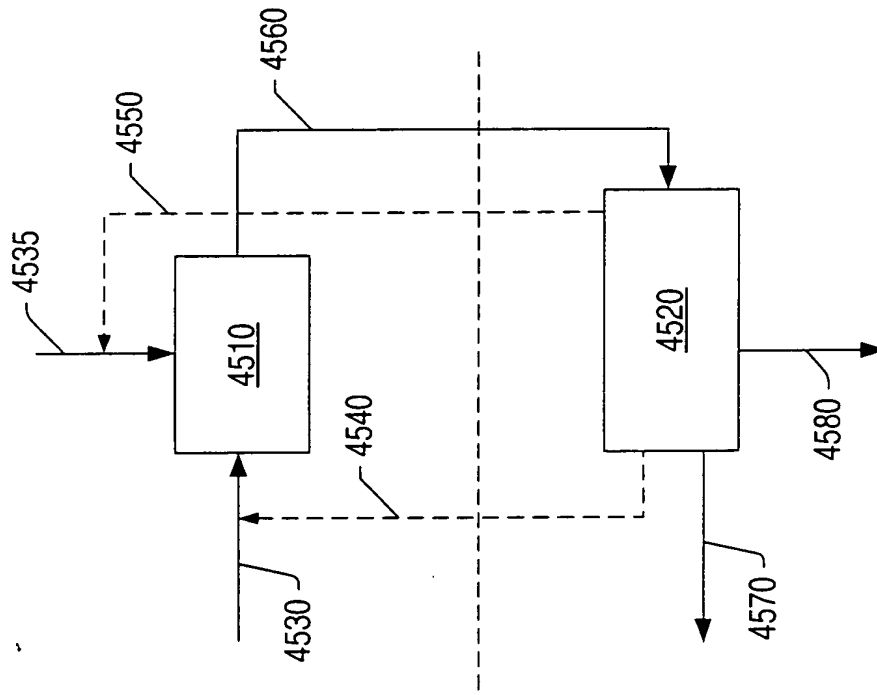


FIG. 166

100  
 90  
 80  
 70  
 60  
 50  
 40  
 30  
 20  
 10  
 0

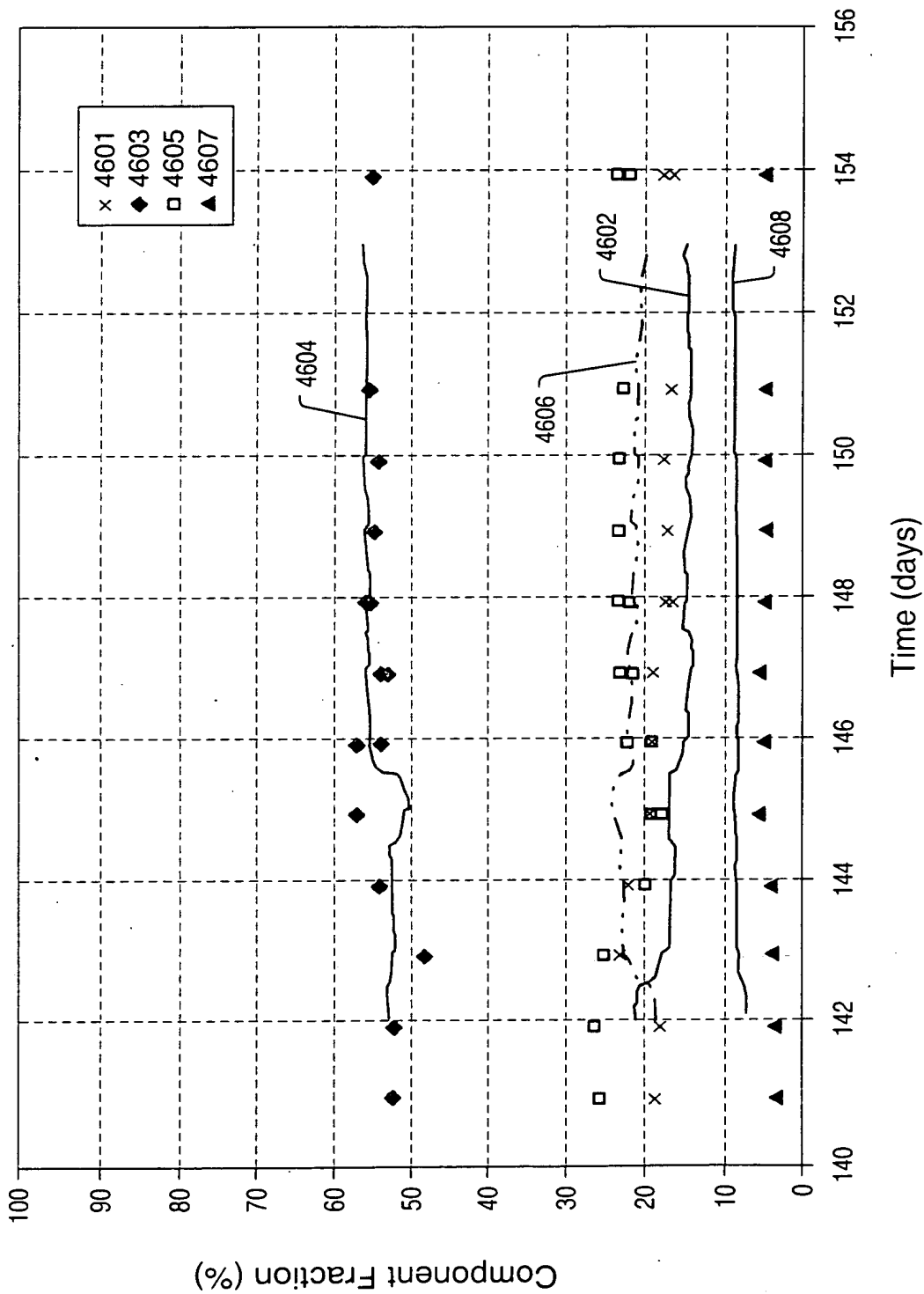


FIG. 167

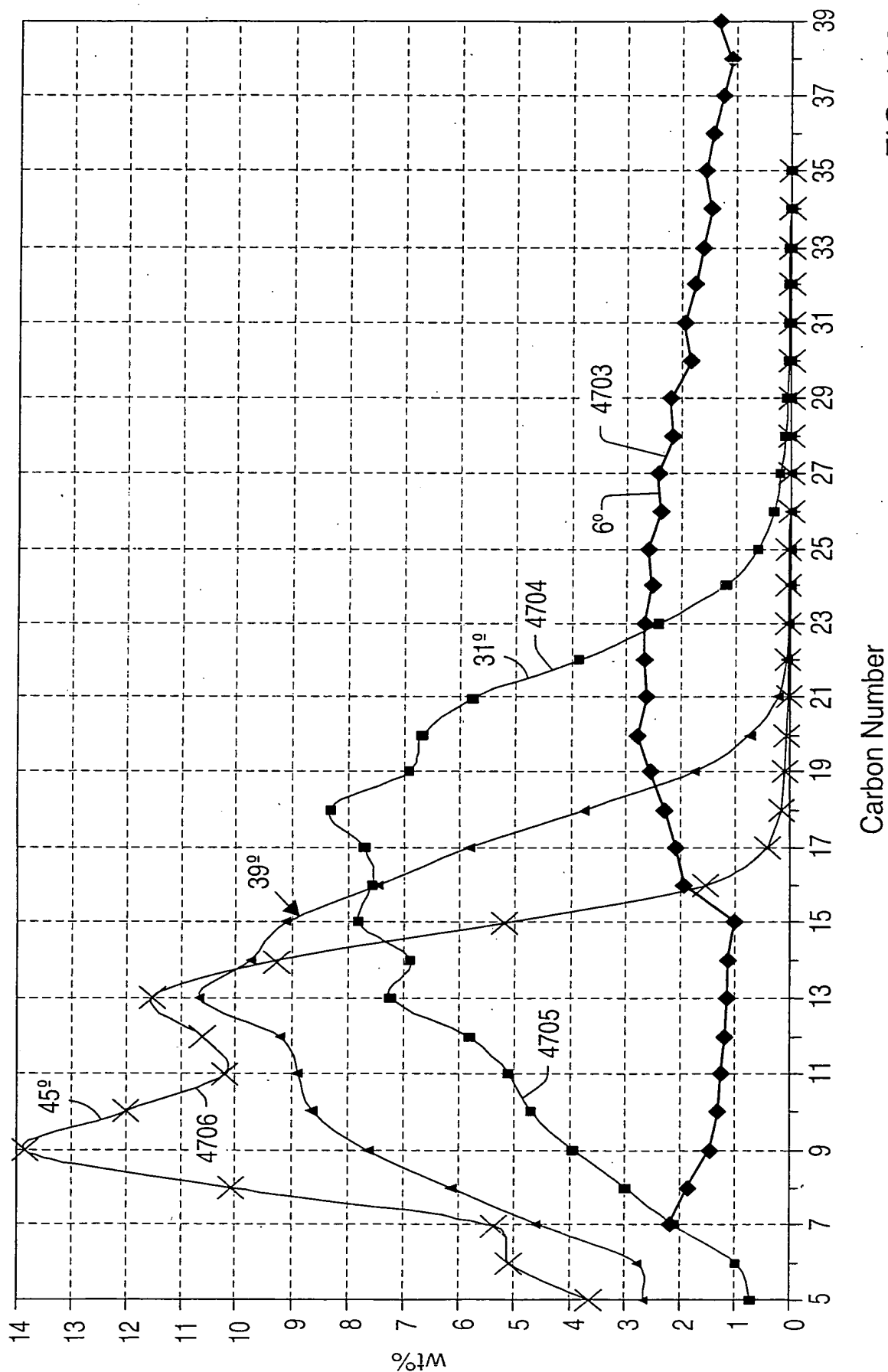


FIG. 168



100 80 60 40 20 0  
 30.5° 30.9° 30.7° 39.2°  
 4710 4712 4714 4716  
 19 14 15 27  
 20 22 21 17  
 11 17 15 9

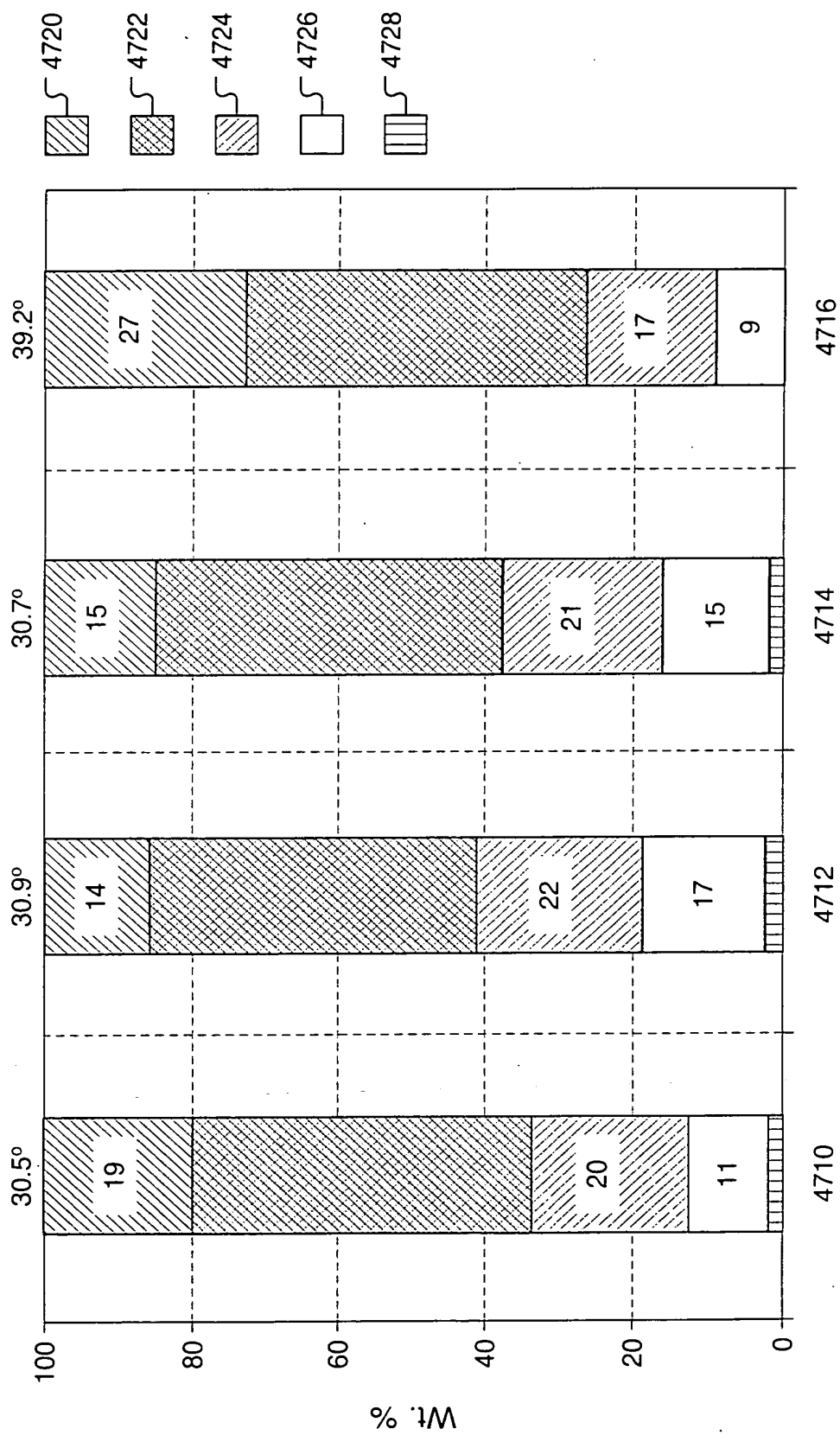


FIG. 169

Figure 1 is a line graph showing the evolution of the third moment  $M_3$  (in units of  $10^{21}$ ) versus time (in days) for the 4742 Å and 4740 Å lines. The x-axis represents time in days, ranging from 20 to 2001, with major ticks at 20, 500, 1000, 1500, and 2001. The y-axis represents  $M_3$  in units of  $10^{21}$ , ranging from 0 to 3975, with major ticks at 0, 795, 1590, 2385, 3180, and 3975. Two curves are plotted: the upper curve is labeled 4740 and the lower curve is labeled 4742. Both curves show a sharp increase around 500 days, followed by a gradual rise. The 4740 Å line reaches a value of approximately 3975 at 2001 days, while the 4742 Å line reaches approximately 3900 at the same time. A vertical dashed line is drawn at 1000 days, and a horizontal dashed line is drawn at 2385.

FIG. 170

4750 4752

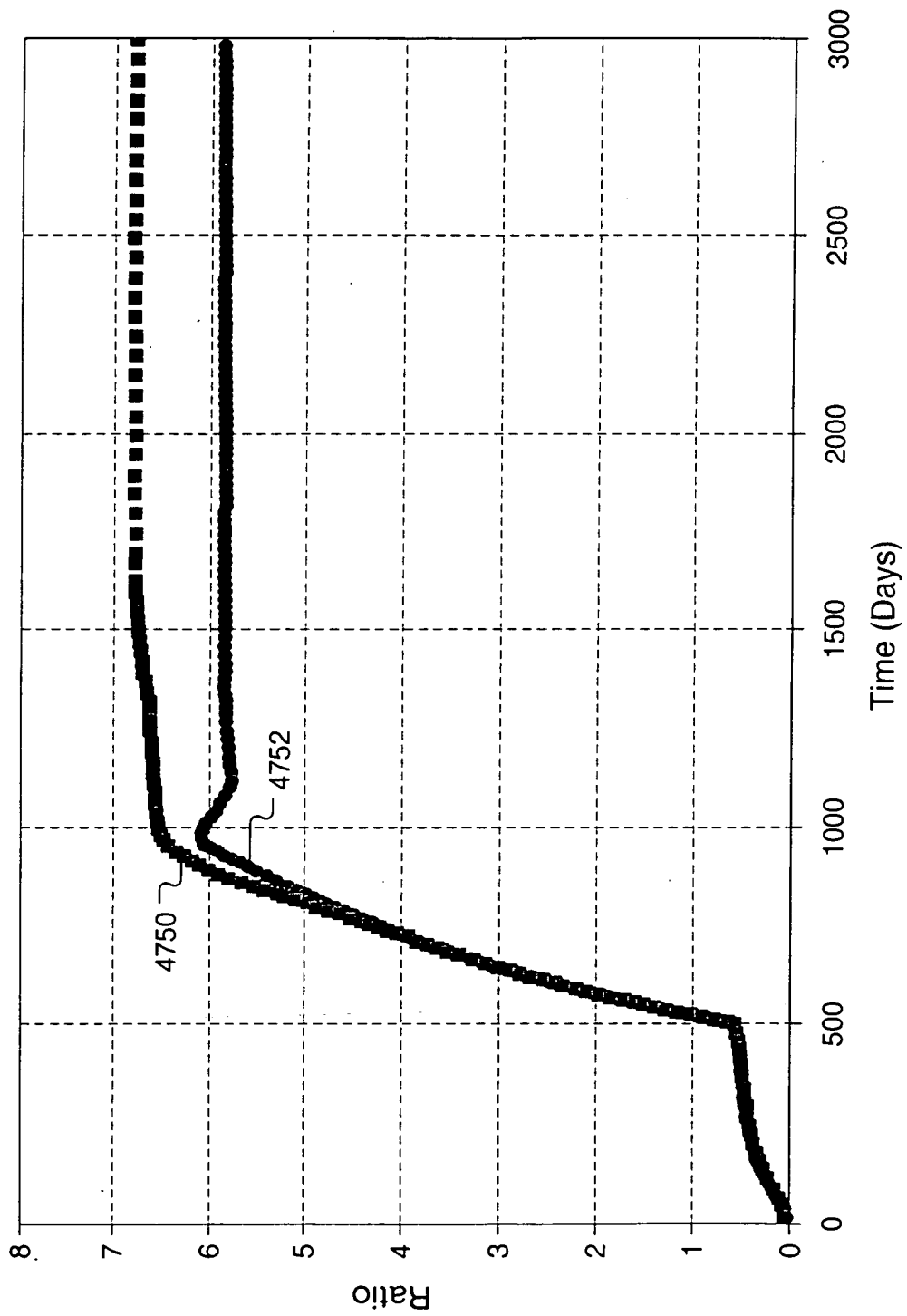


FIG. 171

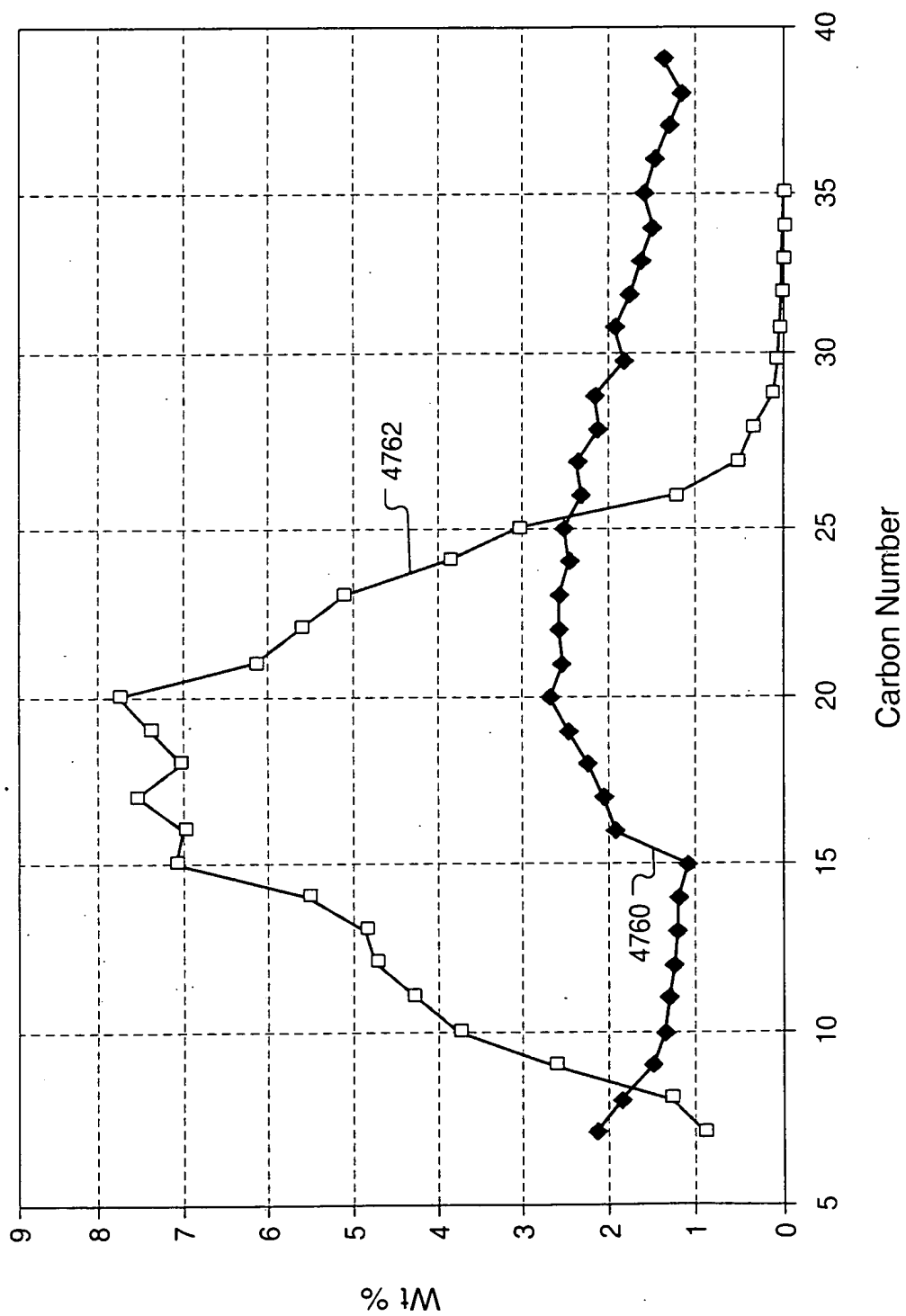


FIG. 172

Species	Country	Year	Sex	Age	Weight (g)	Length (mm)	Wing (mm)	Tail (mm)	Bill (mm)	Foot (mm)	Claw (mm)	Other
Spizella	USA	1965	♂	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	110	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	130	120	80	60	15	15	5	
Spizella	USA	1965	♀	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	120	110	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	115	105	70	50	15	15	5	
Spizella	USA	1965	♂	Ad	125	115	75	55	15	15	5	
Spizella	USA	1965	♀	Ad	120	110	75	55	15	15	5	
Spizella	USA	196										

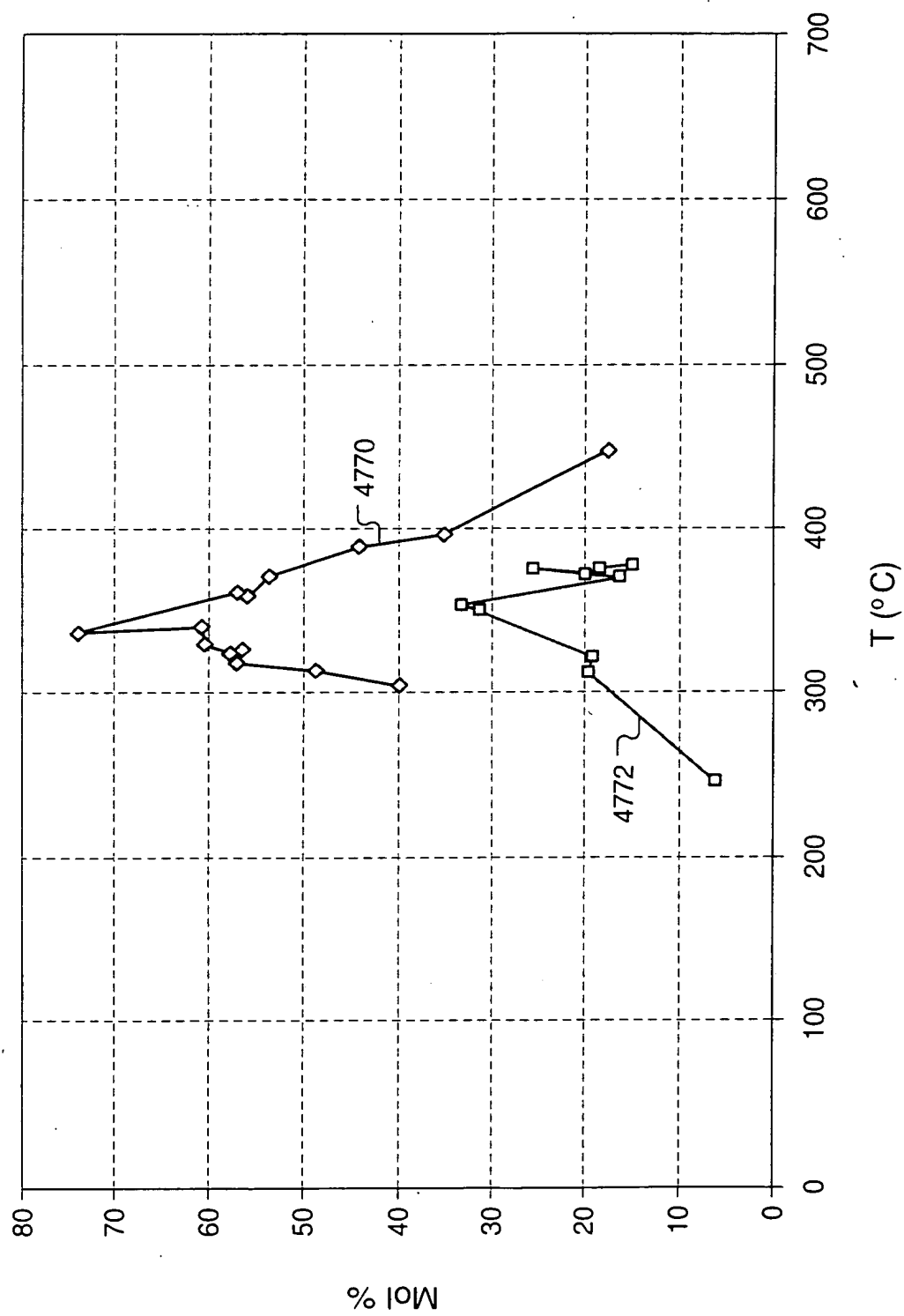


FIG. 173

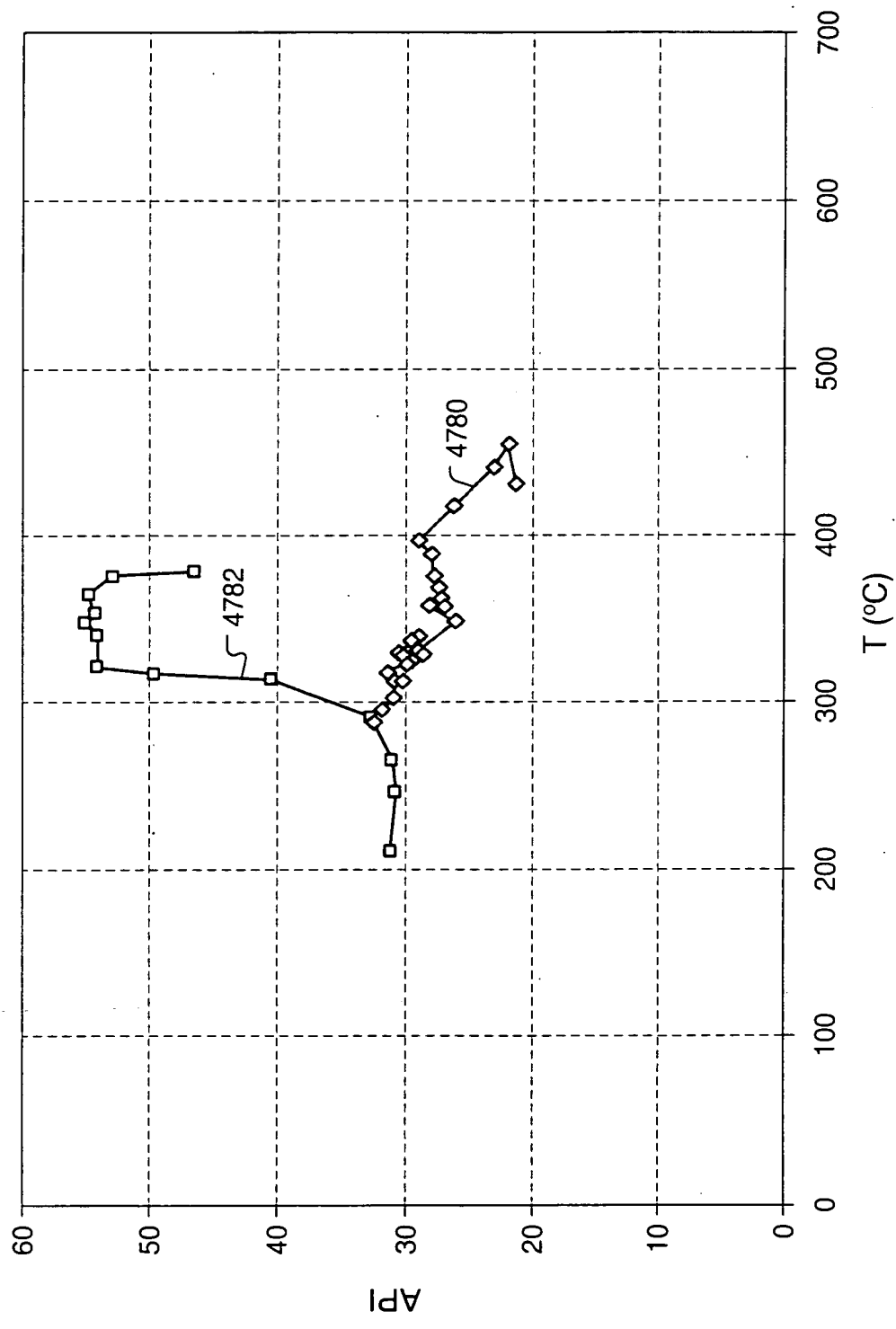
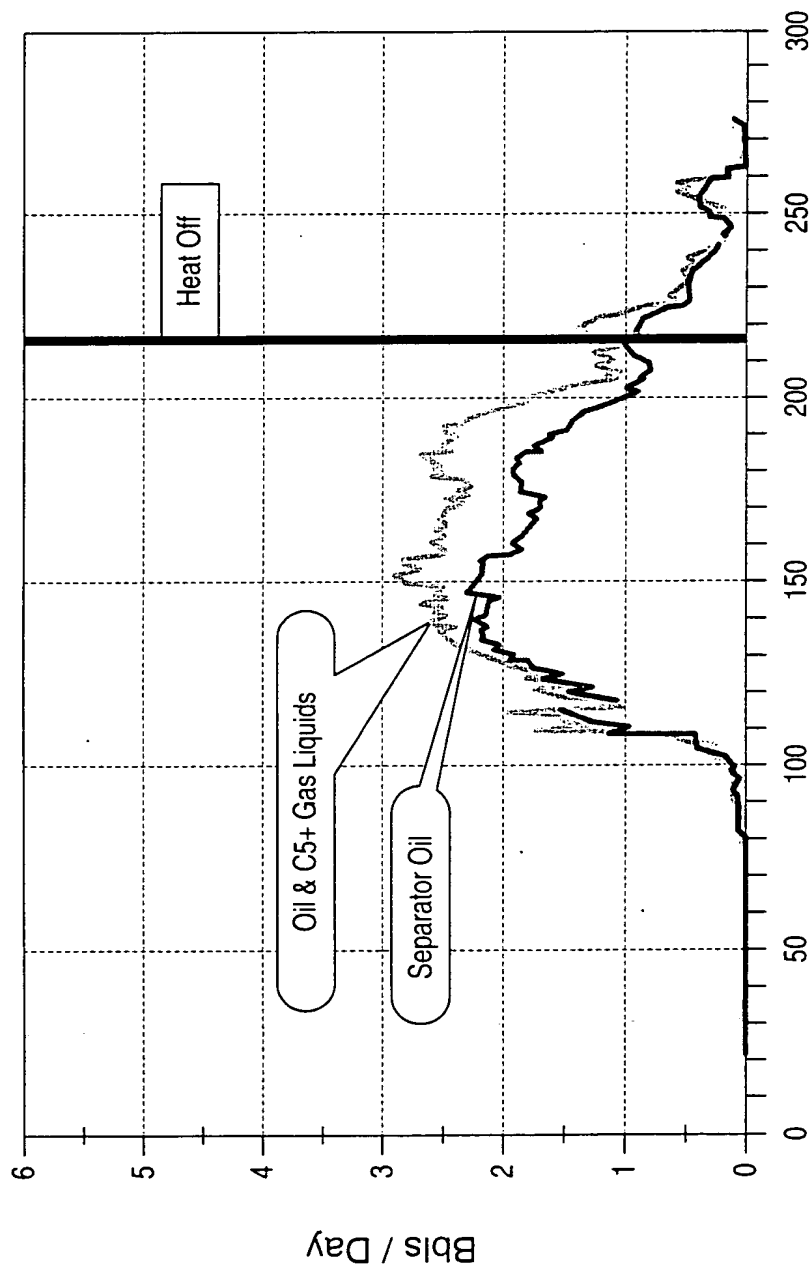
[illegible]

FIG. 174



Days From Start of Heat Injection

FIG. 175

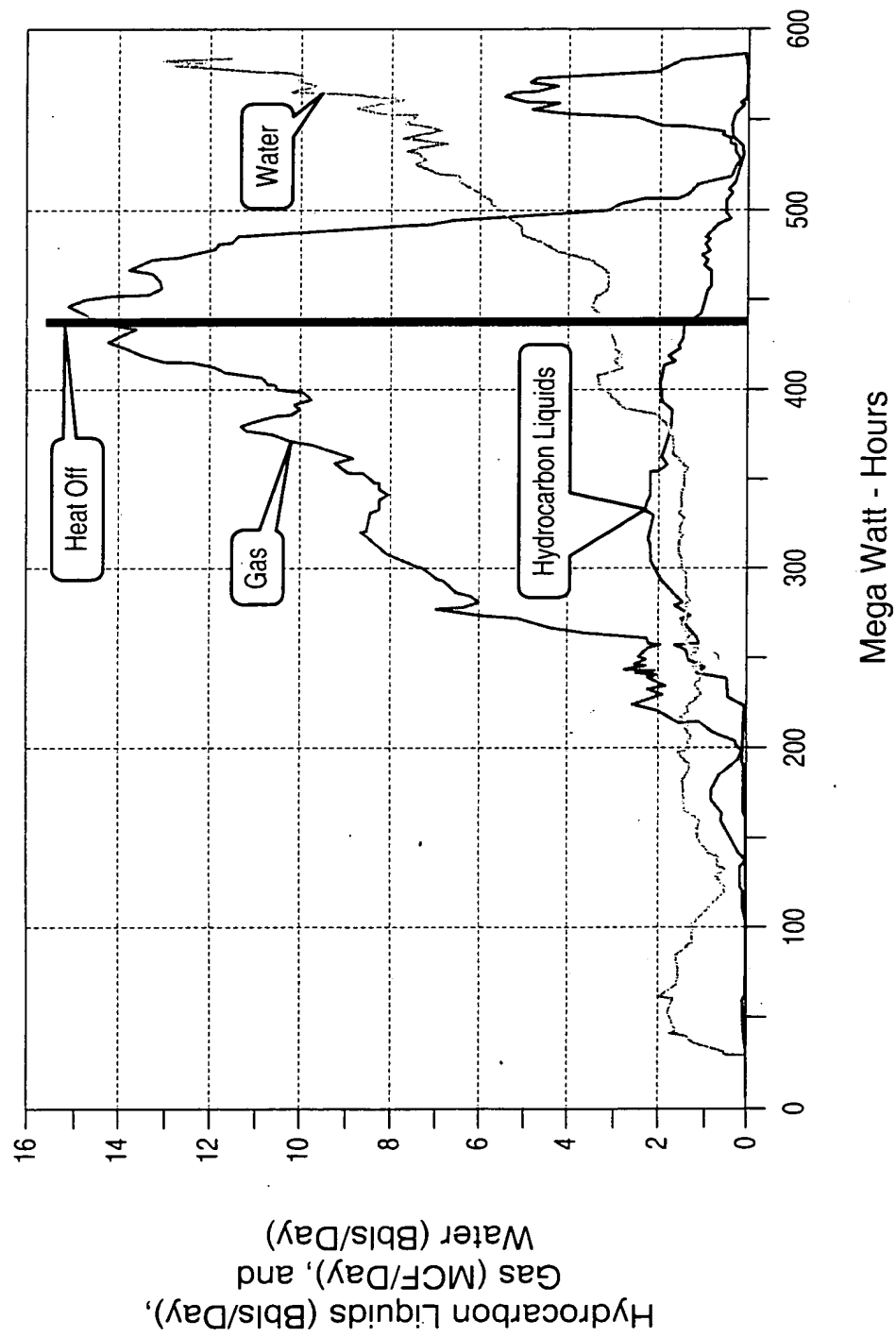
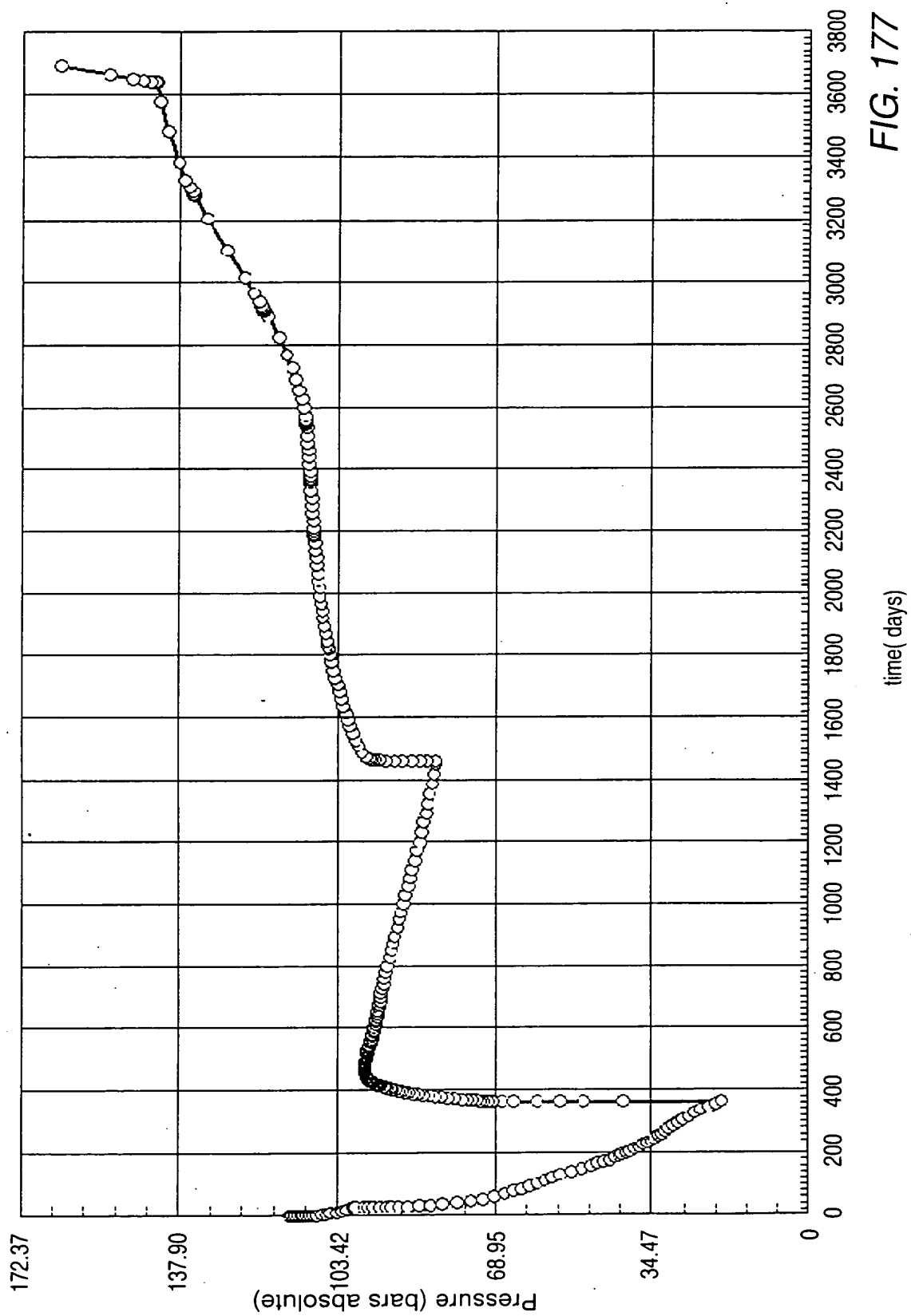


FIG. 176



1964-1965



06474963

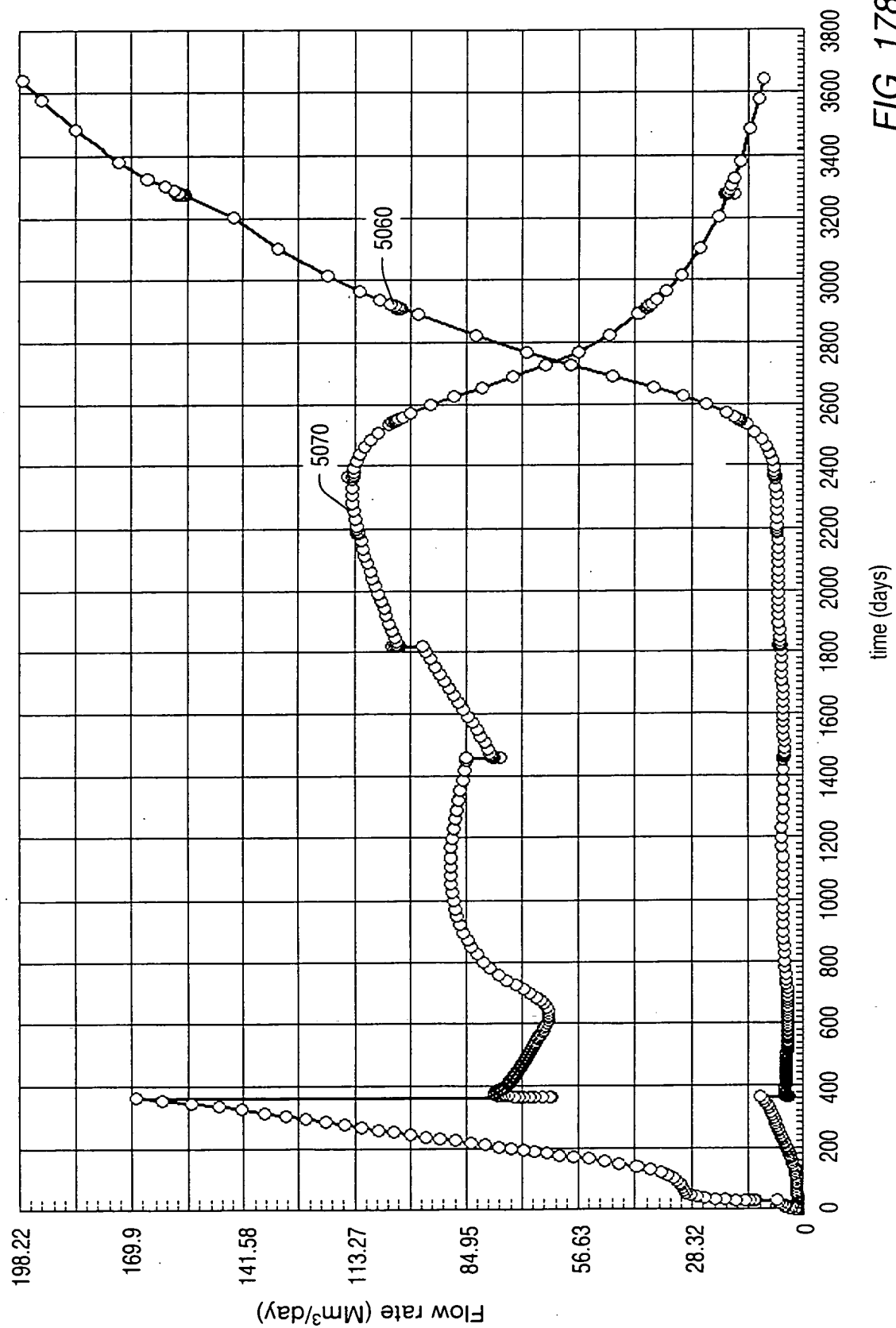
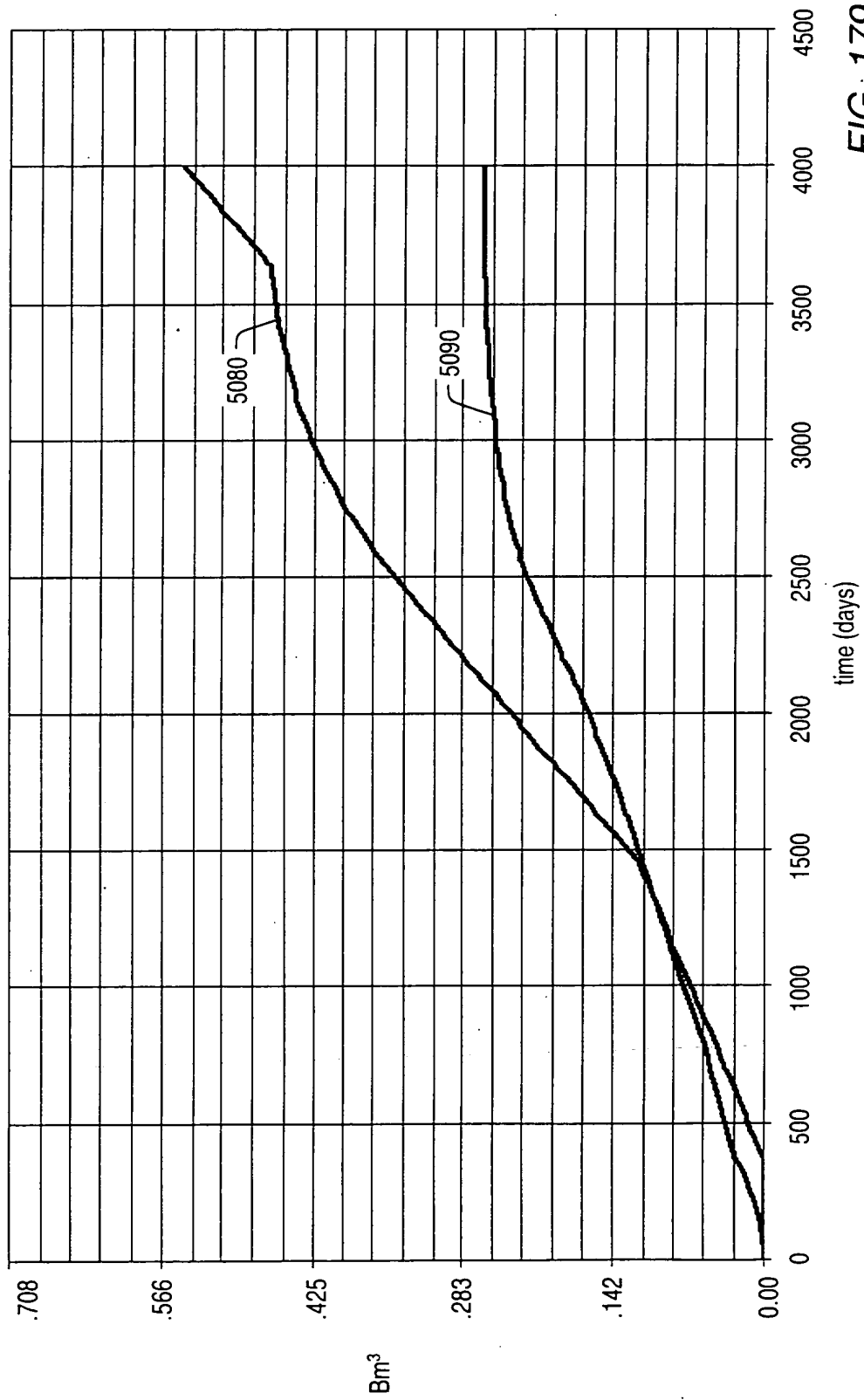


FIG. 178

1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-38	2038-39	2039-40	2040-41	2041-42	2042-43	2043-44	2044-45	2045-46	2046-47	2047-48	2048-49	2049-50	2050-51	2051-52	2052-53	2053-54	2054-55	2055-56	2056-57	2057-58	2058-59	2059-60	2060-61	2061-62	2062-63	2063-64	2064-65	2065-66	2066-67	2067-68	2068-69	2069-70	2070-71	2071-72	2072-73	2073-74	2074-75	2075-76	2076-77	2077-78	2078-79	2079-80	2080-81	2081-82	2082-83	2083-84	2084-85	2085-86	2086-87	2087-88	2088-89	2089-90	2090-91	2091-92	2092-93	2093-94	2094-95	2095-96	2096-97	2097-98	2098-99	2099-00	2100-01	2101-02	2102-03	2103-04	2104-05	2105-06	2106-07	2107-08	2108-09	2109-10	2110-11	2111-12	2112-13	2113-14	2114-15	2115-16	2116-17	2117-18	2118-19	2119-20	2120-21	2121-22	2122-23	2123-24	2124-25	2125-26	2126-27	2127-28	2128-29	2129-30	2130-31	2131-32	2132-33	2133-34	2134-35	2135-36	2136-37	2137-38	2138-39	2139-40	2140-41	2141-42	2142-43	2143-44	2144-45	2145-46	2146-47	2147-48	2148-49	2149-50	2150-51	2151-52	2152-53	2153-54	2154-55	2155-56	2156-57	2157-58	2158-59	2159-60	2160-61	2161-62	2162-63	2163-64	2164-65	2165-66	2166-67	2167-68	2168-69	2169-70	2170-71	2171-72	2172-73	2173-74	2174-75	2175-76	2176-77	2177-78	2178-79	2179-80	2180-81	2181-82	2182-83	2183-84	2184-85	2185-86	2186-87	2187-88	2188-89	2189-90	2190-91	2191-92	2192-93	2193-94	2194-95	2195-96	2196-97	2197-98	2198-99	2199-00	2200-01	2201-02	2202-03	2203-04	2204-05	2205-06	2206-07	2207-08	2208-09	2209-10	2210-11	2211-12	2212-13	2213-14	2214-15	2215-16	2216-17	2217-18	2218-19	2219-20	2220-21	2221-22	2222-23	2223-24	2224-25	2225-26	2226-27	2227-28	2228-29	2229-30	2230-31	2231-32	2232-33	2233-34	2234-35	2235-36	2236-37	2237-38	2238-39	2239-40	2240-41	2241-42	2242-43	2243-44	2244-45	2245-46	2246-47	2247-48	2248-49	2249-50	2250-51	2251-52	2252-53	2253-54	2254-55	2255-56	2256-57	2257-58	2258-59	2259-60	2260-61	2261-62	2262-63	2263-64	2264-65	2265-66	2266-67	2267-68	2268-69	2269-70	2270-71	2271-72	2272-73	2273-74	2274-75	2275-76	2276-77	2277-78	2278-79	2279-80	2280-81	2281-82	2282-83	2283-84	228
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**FIG. 179**

704240 06474559

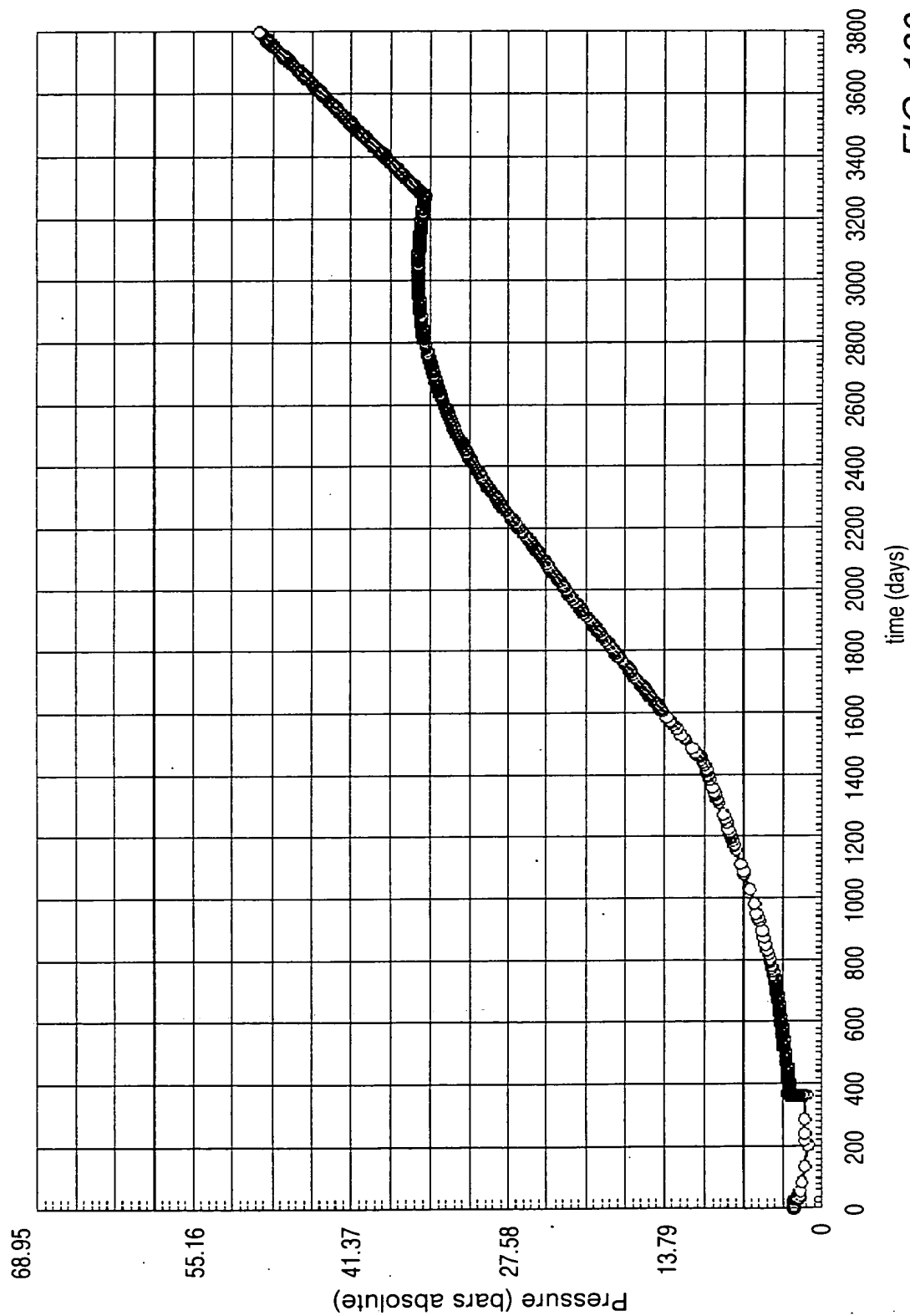


FIG. 180

Flow rate (Mm<sup>3</sup>/day)

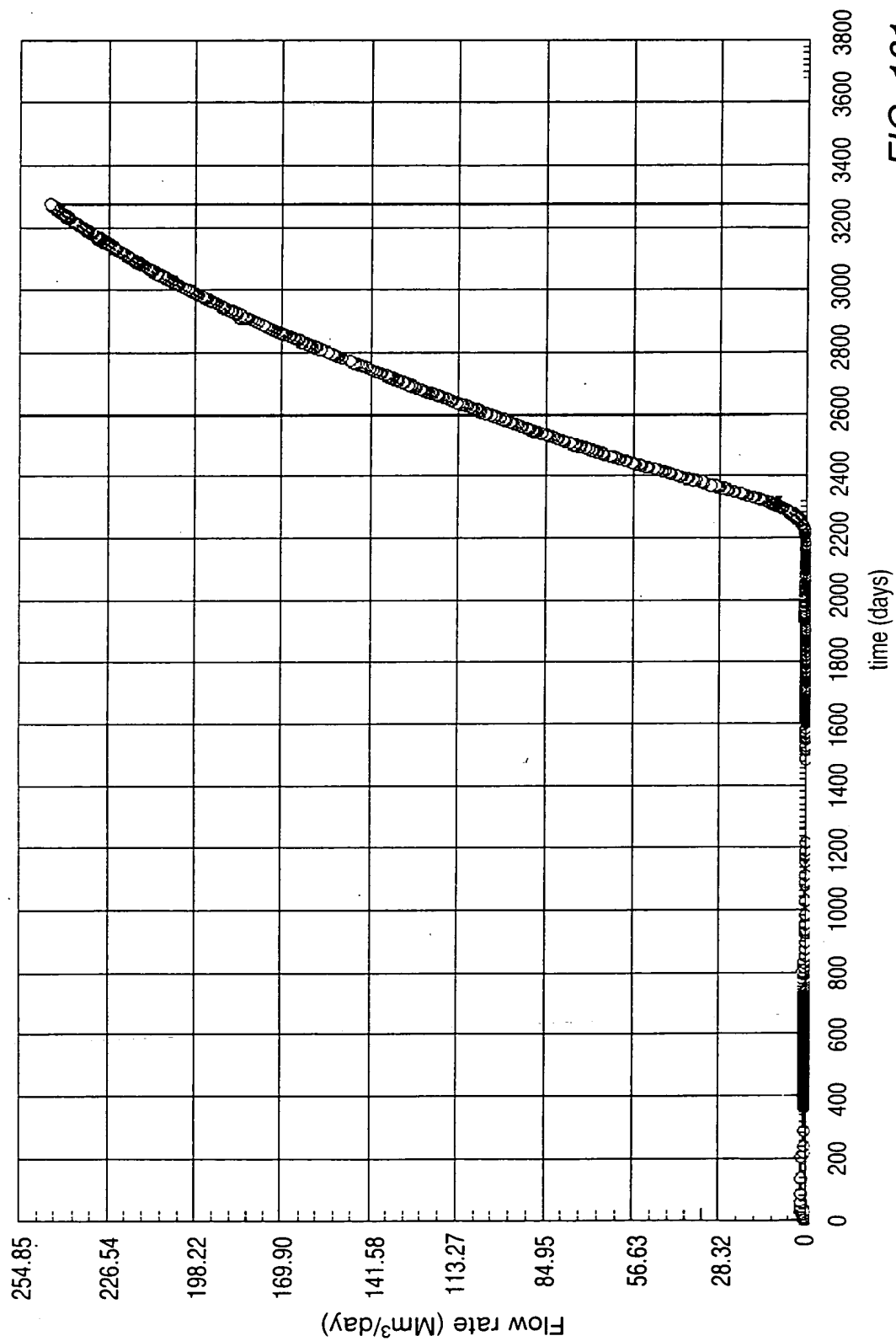


FIG. 181

104240 0644360

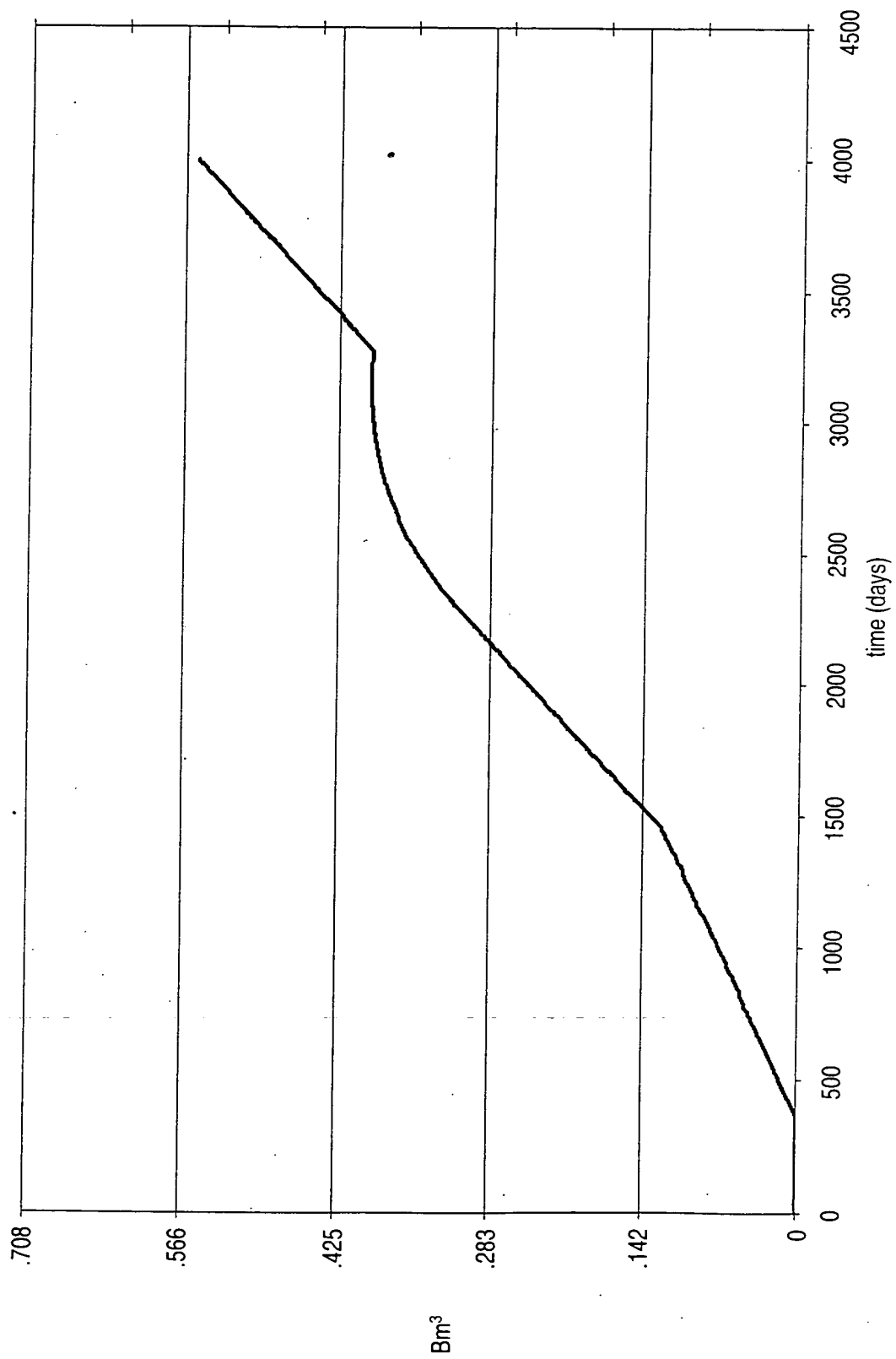


FIG. 182

FIG. 76a

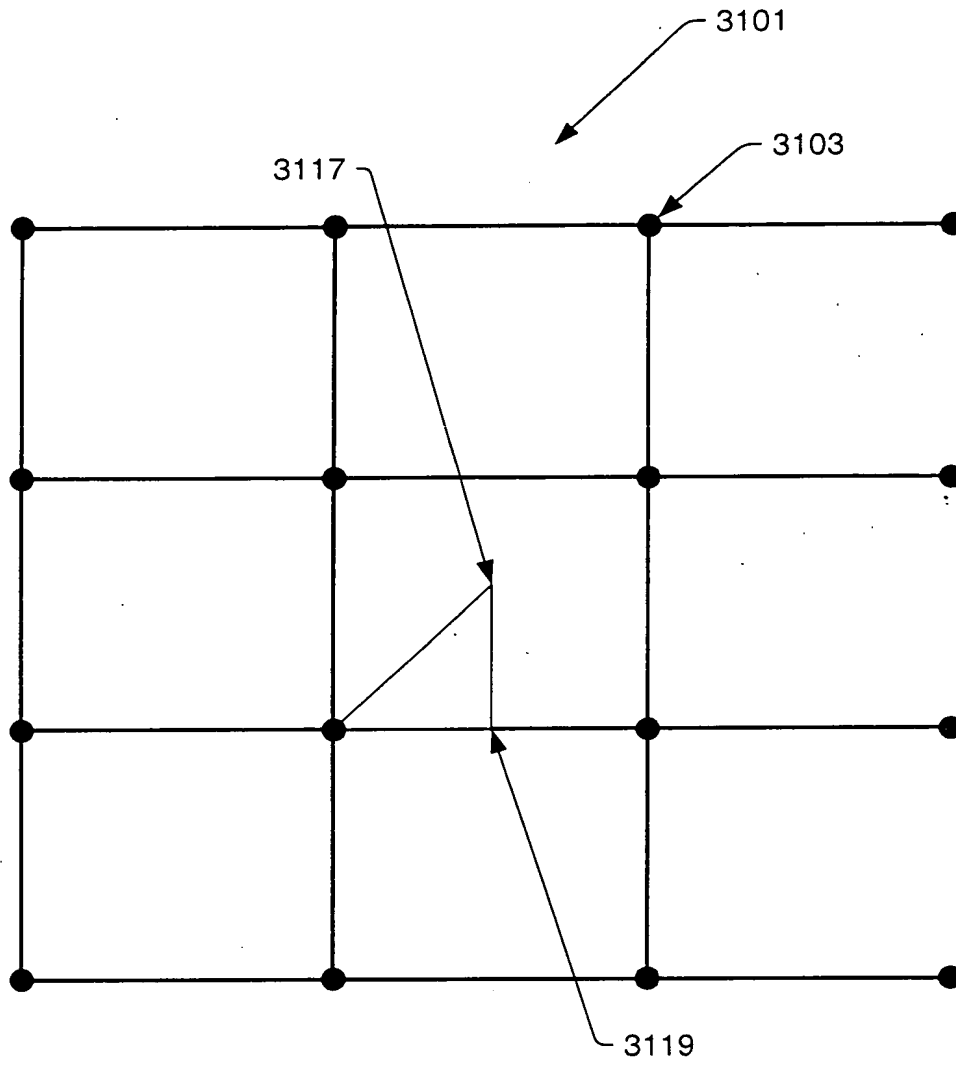


FIG. 76a

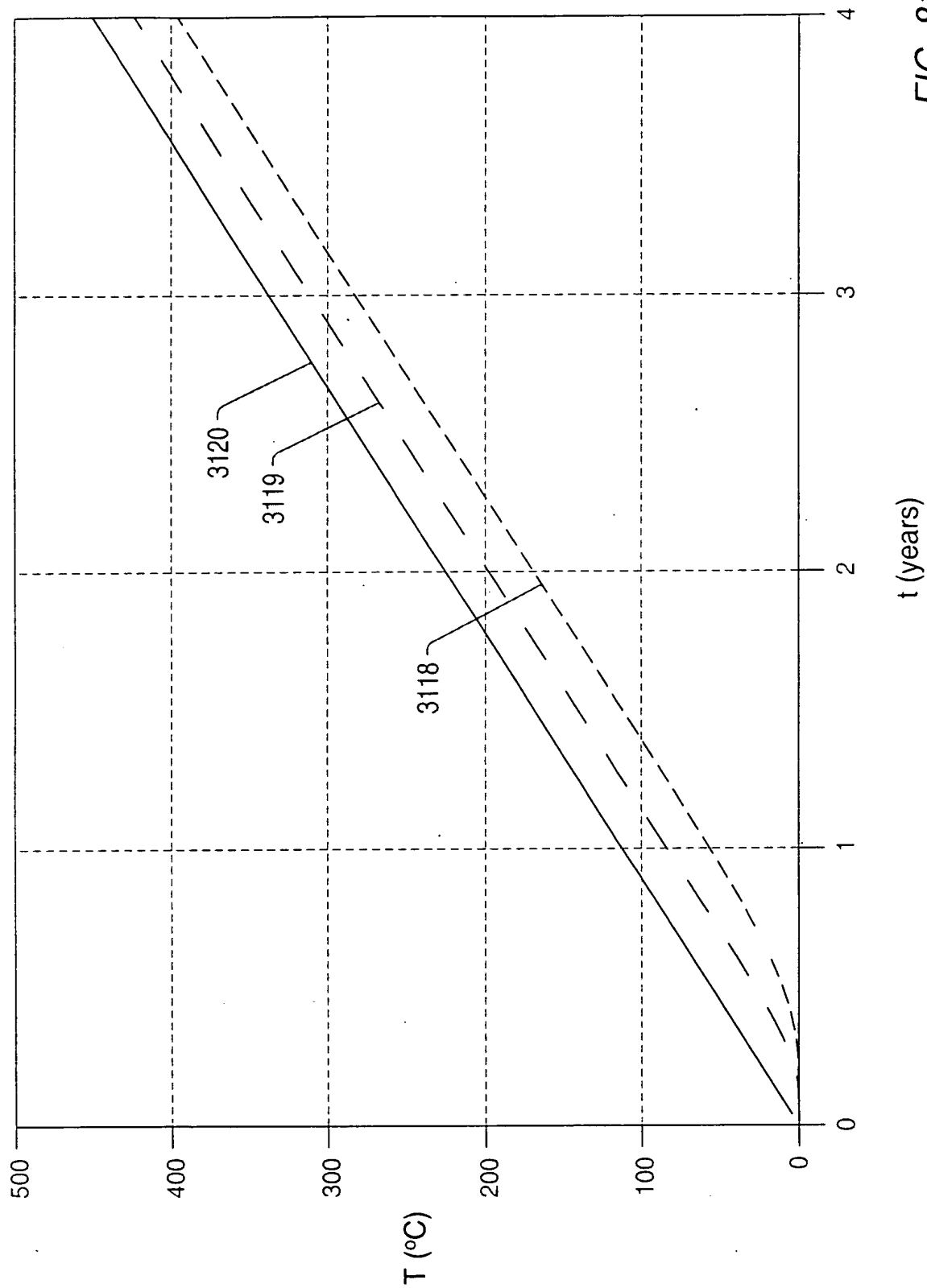


FIG. 81a



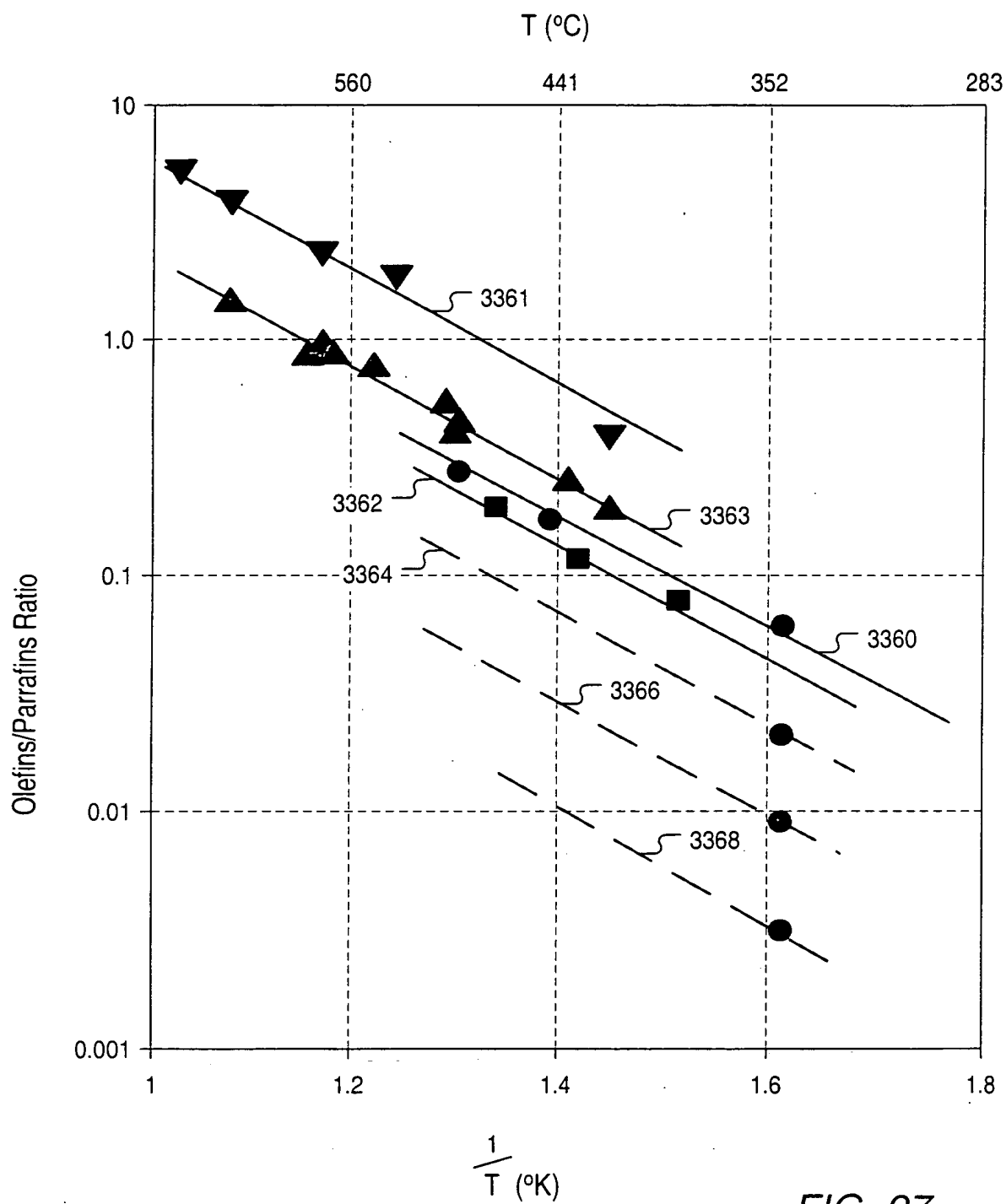


FIG. 97

2025 RELEASE UNDER E.O. 14176

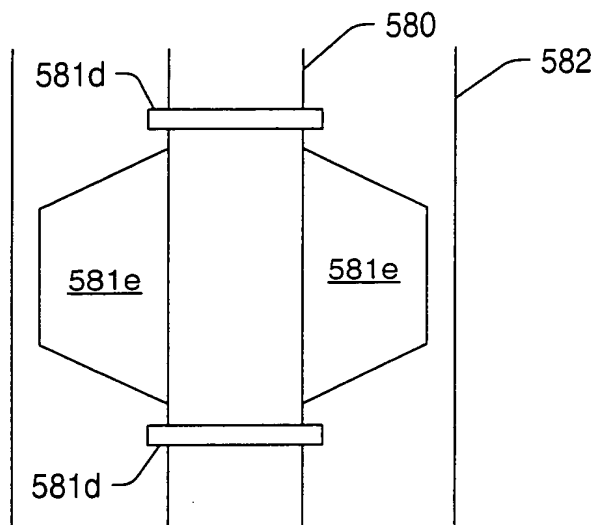


FIG. 23a

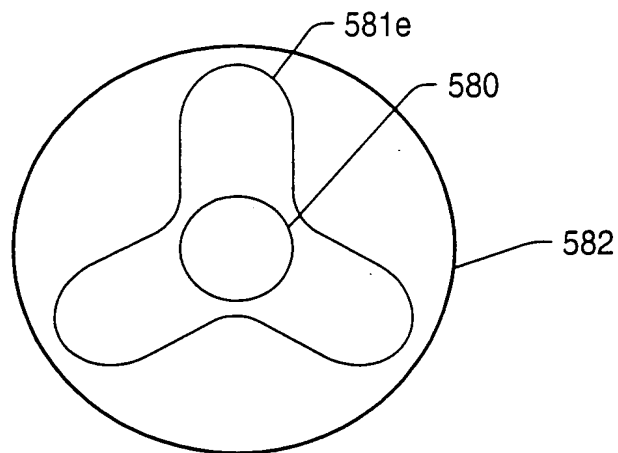


FIG. 23b

FIG. 31

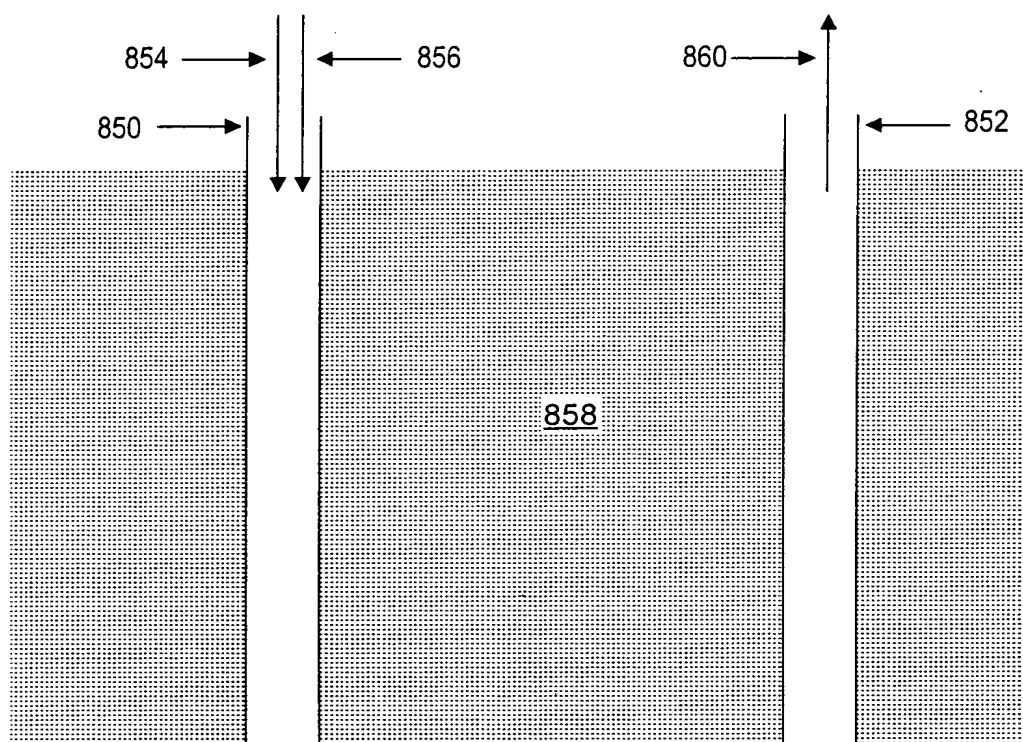


FIG. 31

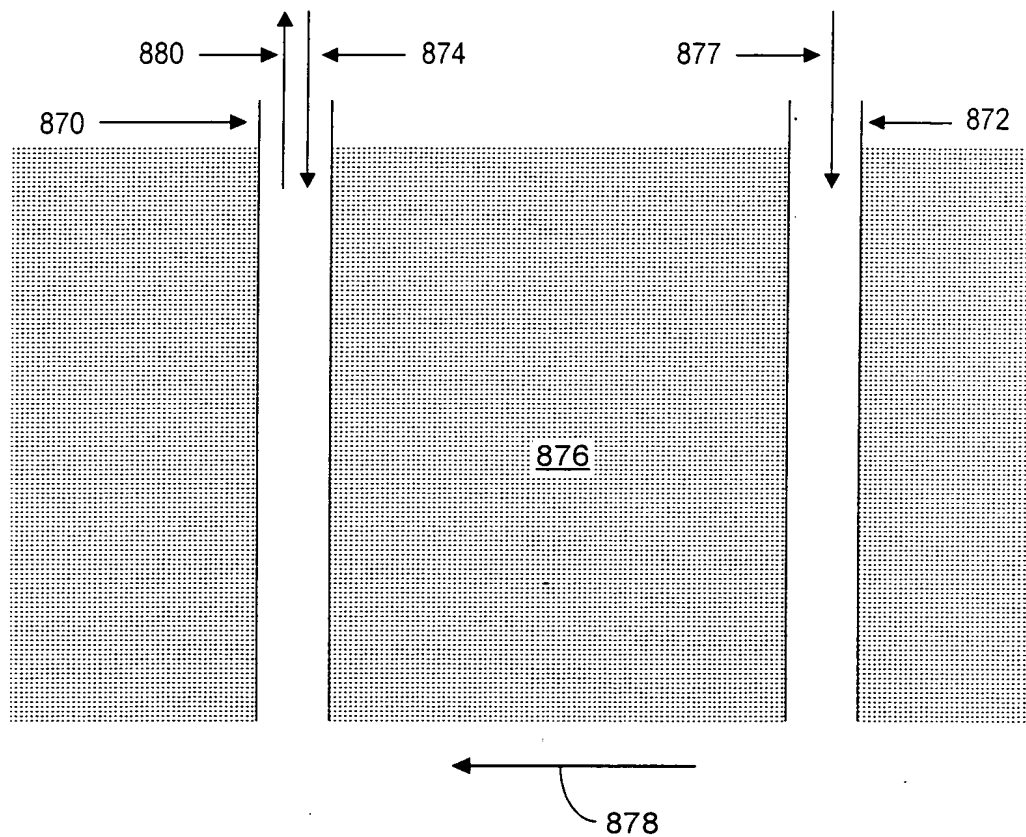


FIG. 32

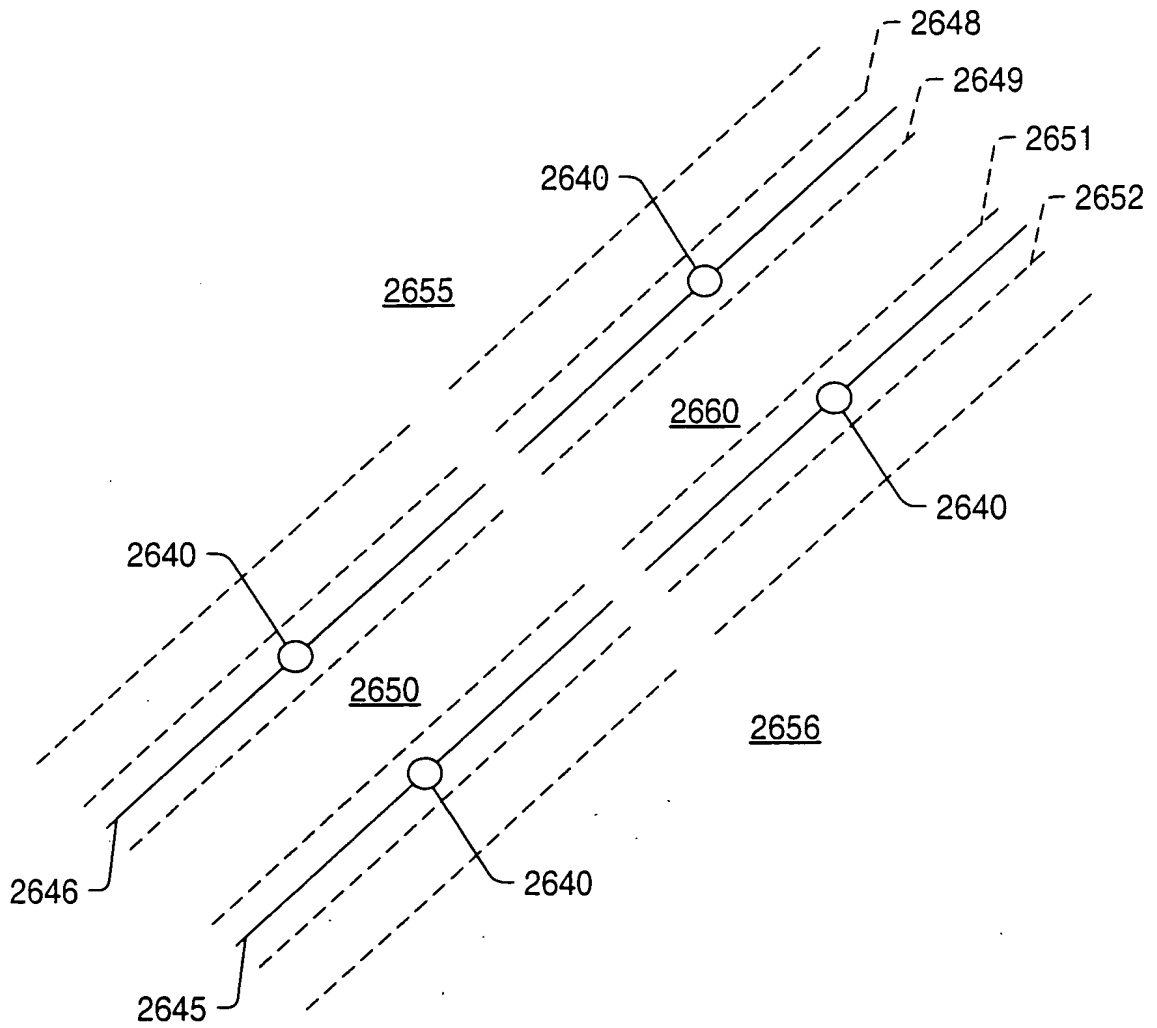


FIG. 56

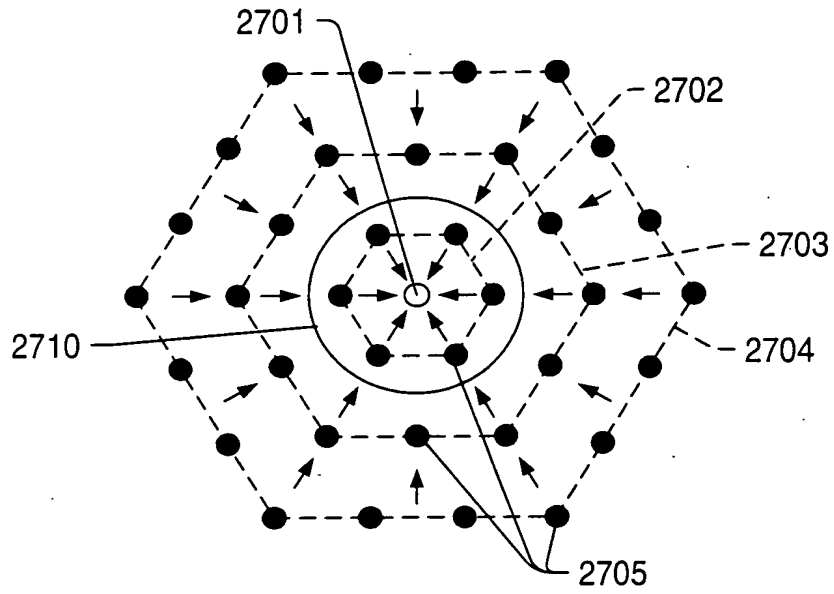


FIG. 57

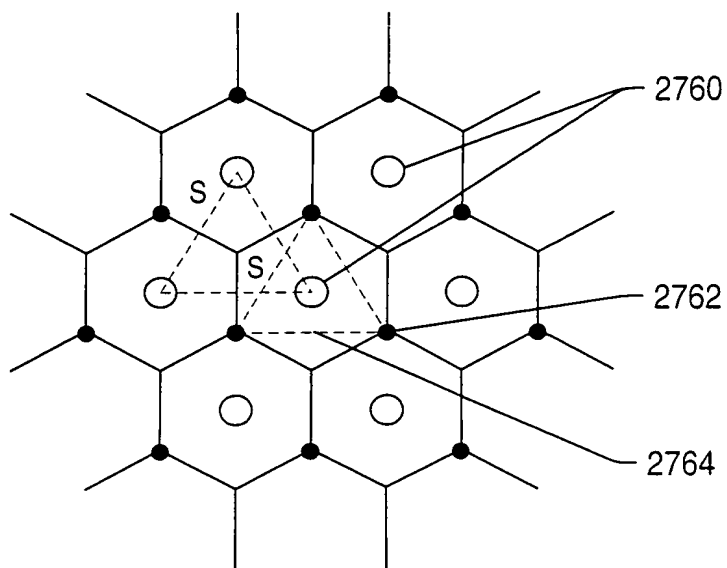


FIG. 66

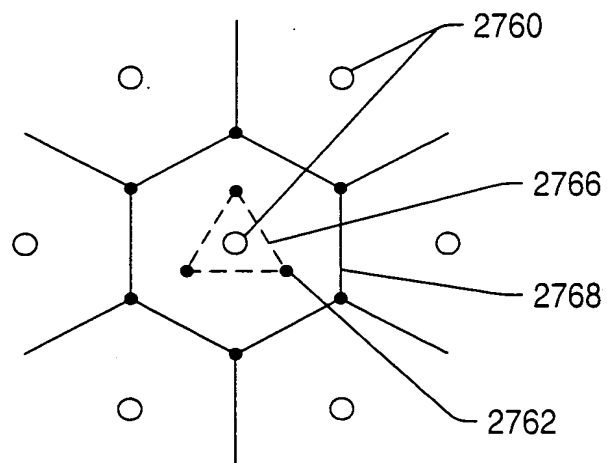


FIG. 67

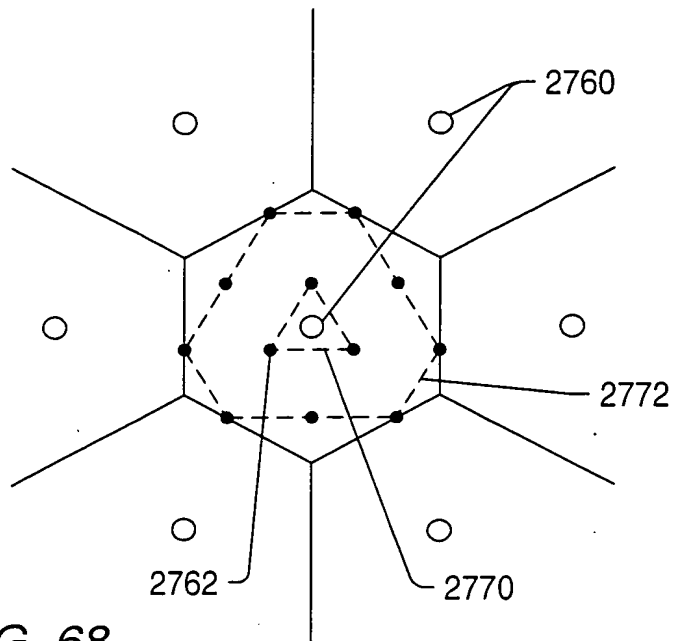


FIG. 68

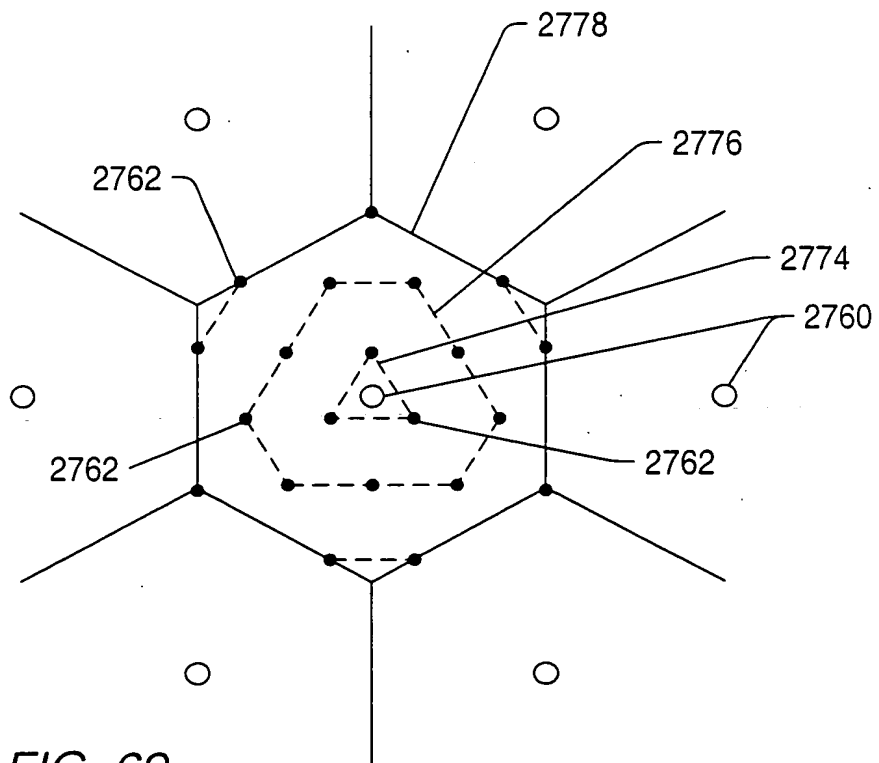


FIG. 69



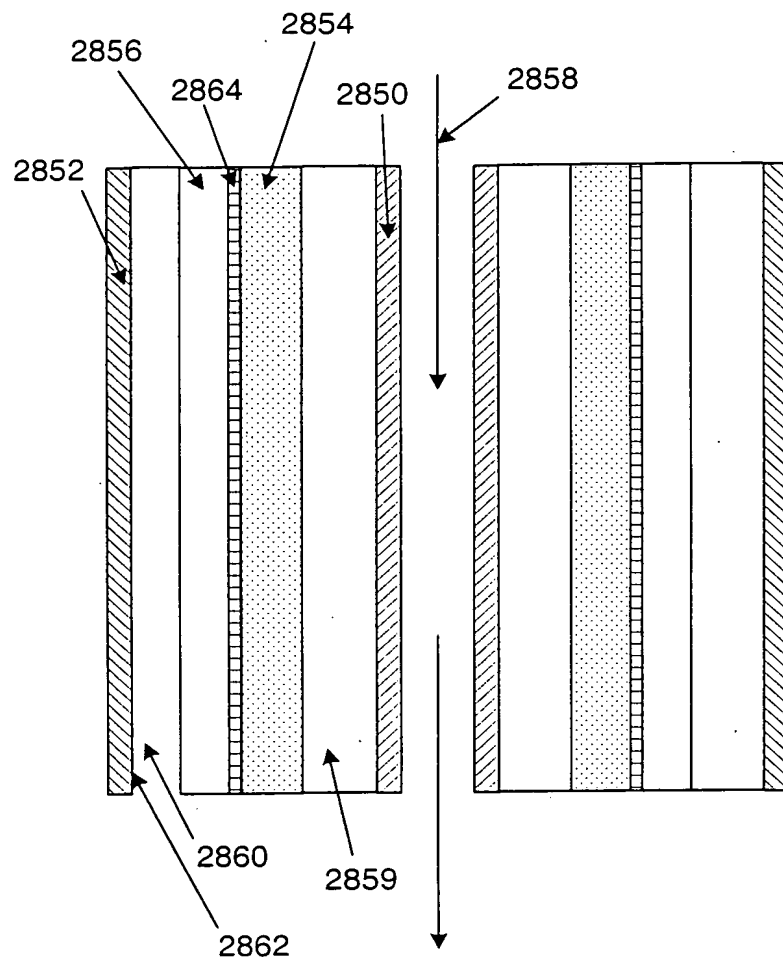


Fig. 72

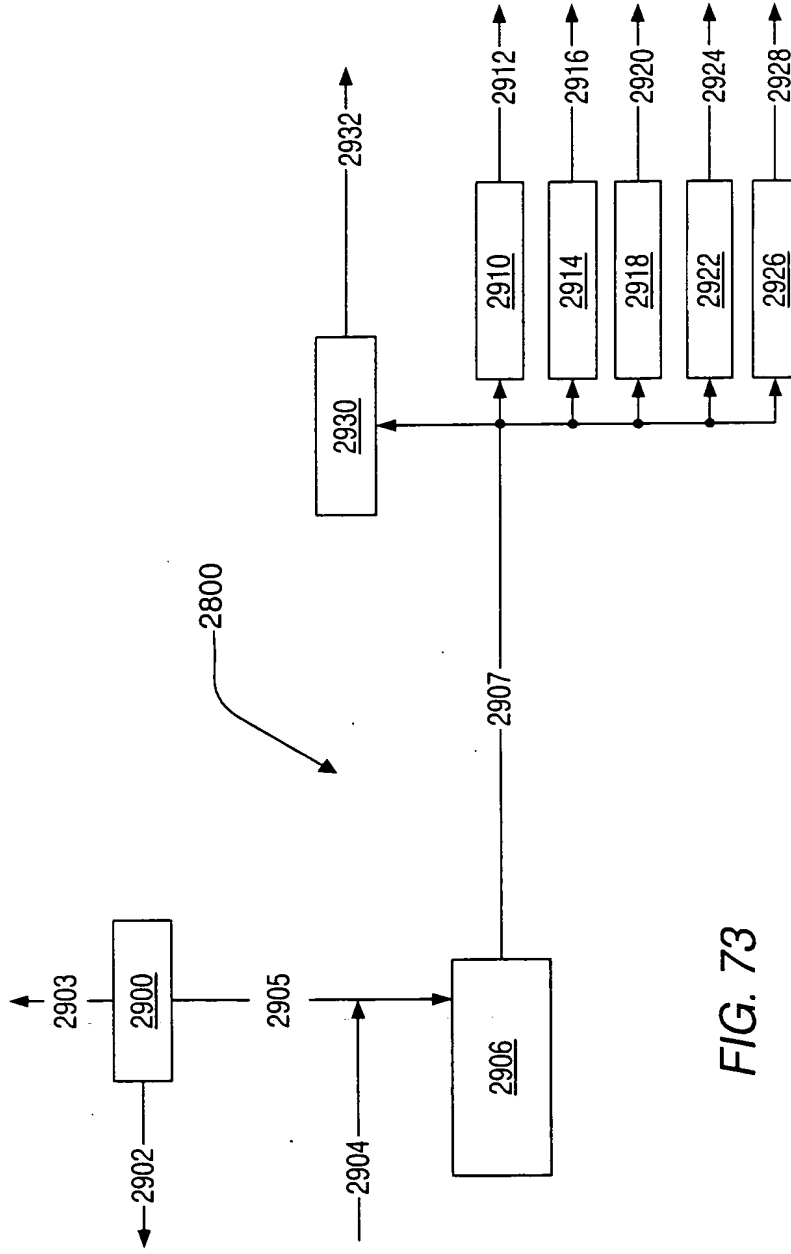


FIG. 73

FIG. 76

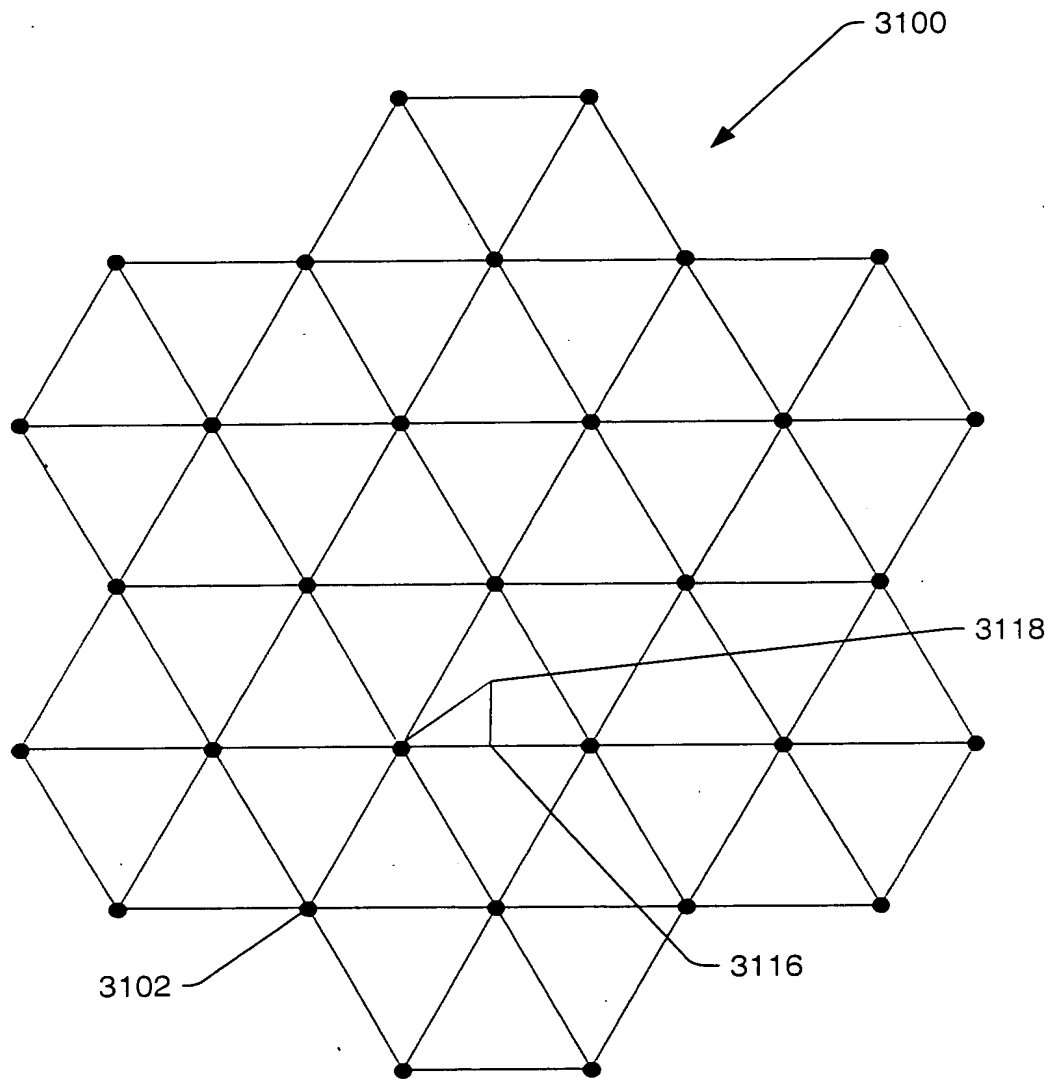


FIG. 76